

PD 11/15/2000

=> d his

(FILE 'HOME' ENTERED AT 09:03:48 ON 11 DEC 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 09:04:13 ON 11 DEC 2003

L1 0 S "PROTEIN (5W) KINASE?"
L2 1144257 S KINASE?
L3 2086 S EUKARYOTIC (5W) KINASE?
L4 433 S HUMAN AND L3
L5 0 S "EPK-55053"
L6 0 S EPK(A)55053
L7 6272589 S RECOMBINANT OR CLON? OR EXPRESS?
L8 253 S L4 AND L7
L9 120 DUP REM L8 (133 DUPLICATES REMOVED)
 E CURTIS R A/AU
L10 214 S E3
L11 0 S L9 AND L10
L12 0 S L2 AND L10

=>

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
present
NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
NEWS 11 DEC 08 INPADOC: Legal Status data reloaded
NEWS 12 SEP 29 DISSABS now available on STN
NEWS 13 OCT 10 PCTFULL: Two new display fields added
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16 NOV 24 MSDS-CCOHS file reloaded
NEWS 17 DEC 08 CABA reloaded with left truncation
NEWS 18 DEC 08 IMS file names changed
NEWS 19 DEC 09 Experimental property data collected by CAS now available
in REGISTRY
NEWS 20 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS

NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 09:03:48 ON 11 DEC 2003

=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
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FILE 'MEDLINE' ENTERED AT 09:04:13 ON 11 DEC 2003

FILE 'EMBASE' ENTERED AT 09:04:13 ON 11 DEC 2003
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FILE 'BIOSIS' ENTERED AT 09:04:13 ON 11 DEC 2003
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FILE 'LIFESCI' ENTERED AT 09:04:13 ON 11 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

=> s "protein (5w) kinase?"
L1 0 "PROTEIN (5W) KINASE?"

=> s kinase?
L2 1144257 KINASE?

=> s eukaryotic (5w) kinase?
L3 2086 EUKARYOTIC (5W) KINASE?

=> s human and l3
L4 433 HUMAN AND L3

=> s "epk-55053"
L5 0 "EPK-55053"

=> s epk(a)55053
L6 0 EPK(A) 55053

=> s recombinant or clon? or express?
5 FILES SEARCHED...
L7 6272589 RECOMBINANT OR CLON? OR EXPRESS?

=> s l4 and l7
L8 253 L4 AND L7

=> dup rem l8
PROCESSING COMPLETED FOR L8
L9 120 DUP REM L8 (133 DUPLICATES REMOVED)

=> d 12-20 ibib

L9 ANSWER 12 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:396578 BIOSIS
DOCUMENT NUMBER: PREV200300396578
TITLE: Cyclic AMP inhibits translation of cyclin D3 in T
lymphocytes at the level of elongation by inducing
eEF2-phosphorylation.

AUTHOR(S): Gutzkow, Kristine B.; Lahne, Hege U.; Naderi, Soheil;
Torgersen, Knut Martin; Skalhogg, Bjorn; Koketsu, Mamoru;
Uehara, Yoshimasa; Blomhoff, Heidi Kiil [Reprint Author]
CORPORATE SOURCE: Institute of Medical Biochemistry, University of Oslo,
Blindern, N-0317, P.O. Box 1112, Oslo, Norway
h.k.blomhoff@basalmed.uio.no
SOURCE: Cellular Signalling, (September 2003) Vol. 15, No. 9, pp.
871-881. print.
ISSN: 0898-6568 (ISSN print).
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Aug 2003
Last Updated on STN: 27 Aug 2003

L9 ANSWER 13 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 6

ACCESSION NUMBER: 2003:551497 BIOSIS
DOCUMENT NUMBER: PREV200300554387
TITLE: Wolcott-Rallison syndrome: Pathogenic insights into
neonatal diabetes from new mutation and **expression**
studies of EIF2AK3.
AUTHOR(S): Brickwood, S.; Bonthron, D. T.; Al-Gazali, L. I.; Piper,
K.; Hearn, T.; Wilson, D. I.; Hanley, N. A. [Reprint
Author]
CORPORATE SOURCE: Division of Human Genetics, Southampton General Hospital,
Tremona Road, Southampton, SO16 6YD, UK
n.a.hanley@soton.ac.uk
SOURCE: Journal of Medical Genetics, (September 2003) Vol. 40, No.
9, pp. 685-689. print.
CODEN: JMDGAE. ISSN: 0022-2593.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 26 Nov 2003
Last Updated on STN: 26 Nov 2003

L9 ANSWER 14 OF 120 MEDLINE on STN

ACCESSION NUMBER: 2003087826 MEDLINE
DOCUMENT NUMBER: 22441890 PubMed ID: 12554652
TITLE: The Helicobacter pylori CagA protein induces cortactin
dephosphorylation and actin rearrangement by c-Src
inactivation.
AUTHOR: Selbach Matthias; Moese Stefan; Hurwitz Robert; Hauck
Christof R; Meyer Thomas F; Backert Steffen
CORPORATE SOURCE: Max-Planck-Institut fur Infektionsbiologie, Abt. Molekulare
Biologie, Schumannstrasse 20/21, D-10117 Berlin, Germany.
SOURCE: EMBO JOURNAL, (2003 Feb 3) 22 (3) 515-28.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200303
ENTRY DATE: Entered STN: 20030226
Last Updated on STN: 20030327
Entered Medline: 20030326

L9 ANSWER 15 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN

ACCESSION NUMBER: 2003164910 EMBASE
TITLE: Structure, function and evolution of haspin and
haspin-related proteins, a distinctive group of
eukaryotic protein kinases.
AUTHOR: Higgins J.M.G.
CORPORATE SOURCE: J.M.G. Higgins, Department of Medicine, Brigham and Women's

Hospital, Harvard Medical School, One Jimmy Fund Way,
Boston, MA 02115, United States.
jhiggins@rics.bwh.harvard.edu
SOURCE: Cellular and Molecular Life Sciences, (1 Mar 2003) 60/3
(446-462).
Refs: 99
ISSN: 1420-682X CODEN: CMLSFI
COUNTRY: Switzerland
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 022 Human Genetics
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L9 ANSWER 16 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-06276 BIOTECHDS
TITLE: RTKdb: database of receptor tyrosine kinase;
metazoon cellular process evolution and comparative study
and tyrosine-kinase receptor database
AUTHOR: GRASSOT J; MOUCHIROUD G; PERRIERE G
CORPORATE SOURCE: Univ Lyon 1; Univ Lyon 1
LOCATION: Grassot J, Univ Lyon 1, CNRS, UMR 5534, Ctr Genet Mol and
Cellulaire, 43 Bd 11 Novembre 1918, F-69622 Villeurbanne,
France
SOURCE: NUCLEIC ACIDS RESEARCH; (2003) 31, 1, 353-358
ISSN: 0305-1048
DOCUMENT TYPE: Journal
LANGUAGE: English

L9 ANSWER 17 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:128287 BIOSIS
DOCUMENT NUMBER: PREV200300128287
TITLE: Functional characterization of Drosophila melanogaster PERK
eukaryotic initiation factor 2alpha (eIF2alpha)
kinase.
AUTHOR(S): Pomar, Natalia; Berlanga, Juan J.; Campuzano, Sonsoles;
Hernandez, Greco; Elias, Monica; de Haro, Cesar [Reprint
Author]
CORPORATE SOURCE: Centro de Biologia Molecular 'Severo Ochoa', Facultad de
Ciencias, CSIC-UAM, Cantoblanco, Madrid, 28049, Spain
cdeharo@cbm.uam.es
SOURCE: European Journal of Biochemistry, (January 2003) Vol. 270,
No. 2, pp. 293-306. print.
ISSN: 0014-2956 (ISSN print).
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Mar 2003
Last Updated on STN: 5 Mar 2003

L9 ANSWER 18 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2003:629985 HCAPLUS
TITLE: Contrasts between farnesyl pyrophosphate feedback
inhibition of prokaryotic and **eukaryotic**
mevalonate **kinase**
AUTHOR(S): Miziorko, Henry M.; Voynova, Natalya
CORPORATE SOURCE: Biochemistry Department, Medical College of Wisconsin,
Milwaukee, WI, 53226, USA
SOURCE: Abstracts of Papers, 226th ACS National Meeting, New
York, NY, United States, September 7-11, 2003 (2003),
BIOL-117. American Chemical Society: Washington, D.
C.
CODEN: 69EKY9
DOCUMENT TYPE: Conference; Meeting Abstract
LANGUAGE: English

L9 ANSWER 19 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2003:547600 BIOSIS
 DOCUMENT NUMBER: PREV200300548488
 TITLE: Contrasts between farnesyl pyrophosphate feedback
 inhibition of prokaryotic and **eukaryotic**
 mevalonate **kinase**.
 AUTHOR(S): Mizioro, Henry M. [Reprint Author]; Voynova, Natalya
 CORPORATE SOURCE: Biochemistry Department, Medical College of Wisconsin, 8701
 Watertown Plank Rd., Milwaukee, WI, 53226, USA
 SOURCE: Abstracts of Papers American Chemical Society, (2003) Vol.
 226, No. 1-2, pp. BIOL 117. print.
 Meeting Info.: 226th ACS (American Chemical Society)
 National Meeting. New York, NY, USA. September 07-11, 2003.
 American Chemical Society.
 ISSN: 0065-7727 (ISSN print).
 DOCUMENT TYPE: Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LANGUAGE: English
 ENTRY DATE: Entered STN: 19 Nov 2003
 Last Updated on STN: 19 Nov 2003

L9 ANSWER 20 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2003:531243 BIOSIS
 DOCUMENT NUMBER: PREV200300533784
 TITLE: Characterization of a novel eukaryotic-type signal
 transduction pathway in *Streptococcus agalactiae*.
 AUTHOR(S): Rajagopal, L. [Reprint Author]; Rubens, C. E. [Reprint
 Author]
 CORPORATE SOURCE: Childrens Hospital and Regional Medical Center, Seattle,
 WA, USA
 SOURCE: Abstracts of the General Meeting of the American Society
 for Microbiology, (2003) Vol. 103, pp. H-137.
<http://www.asmsusa.org/mtgsrc/generalmeeting.htm>. cd-rom.
 Meeting Info.: 103rd American Society for Microbiology
 General Meeting. Washington, DC, USA. May 18-22, 2003.
 American Society for Microbiology.
 ISSN: 1060-2011 (ISSN print).
 DOCUMENT TYPE: Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LANGUAGE: English
 ENTRY DATE: Entered STN: 12 Nov 2003
 Last Updated on STN: 12 Nov 2003

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FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
 LIFESCI' ENTERED AT 09:04:13 ON 11 DEC 2003

L1 0 S "PROTEIN (5W) KINASE?"
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 L5 0 S "EPK-55053"
 L6 0 S EPK(A)55053
 L7 6272589 S RECOMBINANT OR CLON? OR EXPRESS?
 L8 253 S L4 AND L7
 L9 120 DUP REM L8 (133 DUPLICATES REMOVED)

=> d 19 1-120 ibib

L9 ANSWER 1 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-23498 BIOTECHDS
TITLE: Treating subject having tumorigenic disorder or angiogenic
disorder caused by aberrant polypeptide e.g., N-formylpeptide
receptor or nucleic acid, by administering a modulator;
involving vector-mediated gene transfer and
expression in host cell for use in cancer, Graves
disease and diabetic retinopathy therapy
AUTHOR: HUNTER J J; MACBETH K J; TSAI F; LESOON A; LIGHTCAP E S;
WILLIAMSON M W; RUDOLPH-OWEN L A
PATENT ASSIGNEE: MILLENNIUM PHARM INC
PATENT INFO: WO 2003065006 7 Aug 2003
APPLICATION INFO: WO 2003-US2588 30 Jan 2003
PRIORITY INFO: US 2002-432122 10 Dec 2002; US 2002-353600 31 Jan 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-646176 [61]

L9 ANSWER 2 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-14794 BIOTECHDS
TITLE: Novel nucleic acid comprising a locked nucleic acid unit
having a modified base that comprises an optionally
substituted carbocyclic aryl moiety, or modified nucleobase
or nucleosidic base other than oxazole/imidazole;
locked DNA, DNA primer and polymerase chain reaction for
antisense oligonucleotide preparation and gene therapy
AUTHOR: WENGEL J; KAUPPINEN S
PATENT ASSIGNEE: EXIQON AS
PATENT INFO: WO 2003020739 13 Mar 2003
APPLICATION INFO: WO 2002-IB3911 4 Sep 2002
PRIORITY INFO: US 2001-323967 22 Sep 2001; US 2001-317034 4 Sep 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-363021 [34]

L9 ANSWER 3 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2003:472607 HCAPLUS
DOCUMENT NUMBER: 139:47154
TITLE: Heme-regulated **eukaryotic** initiation factor
2 alpha **kinase** knockout mice and methods for
use in drug screening
INVENTOR(S): Chen, Jane-jane
PATENT ASSIGNEE(S): Massachusetts Institute of Technology, USA
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003050252	A2	20030619	WO 2002-US39108	20021206
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,			

MR, NE, SN, TD, TG
US 2003131363 A1 20030710 US 2002-314108 20021206
PRIORITY APPLN. INFO.: US 2001-339360P P 20011207

L9 ANSWER 4 OF 120 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2003488913 IN-PROCESS
DOCUMENT NUMBER: 22928078 PubMed ID: 12882984
TITLE: Nucleophosmin interacts with and inhibits the catalytic
function of **eukaryotic** initiation factor 2
kinase PKR.
AUTHOR: Pang Qishen; Christianson Tracy A; Koretsky Tara; Carlson
Hanqian; David Larry; Keeble Winifred; Faulkner Gregory R;
Speckhart Ashley; Bagby Grover C
CORPORATE SOURCE: OHSU Cancer Institute, Schools of Medicine and Dentistry,
Oregon Health Sciences University, Portland, OR 97201, USA.
CONTRACT NUMBER: HL 48546 (NHLBI)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Oct 24) 278 (43)
41709-17.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20031021
Last Updated on STN: 20031101

L9 ANSWER 5 OF 120 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 2003367031 MEDLINE
DOCUMENT NUMBER: 22765595 PubMed ID: 12748192
TITLE: Phosphorylation of threonine 10 on CKBBP1/SAG/ROC2/Rbx2 by
protein kinase CKII promotes the degradation of
IkappaBalpha and p27Kip1.
AUTHOR: Kim Yun-Sook; Lee Jae-Yong; Son Mi-Young; Park Wan; Bae
Young-Seuk
CORPORATE SOURCE: Department of Biochemistry, College of Natural Sciences,
Kyungpook National University, Daegu 702-701, Korea.
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Aug 1) 278 (31)
28462-9.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 20030807
Last Updated on STN: 20030911
Entered Medline: 20030910

L9 ANSWER 6 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:289750 BIOSIS
DOCUMENT NUMBER: PREV200300289750
TITLE: P58IPK, a novel endoplasmic reticulum stress-inducible
protein and potential negative regulator of eIF2alpha
signaling.
AUTHOR(S): van Huizen, Rika [Reprint Author]; Martindale, Jennifer L.;
Gorospe, Myriam; Holbrook, Nikki J.
CORPORATE SOURCE: Laboratory of Cellular and Molecular Biology, National
Institute on Aging, National Institutes of Health, 5600
Nathan Shock Dr., Baltimore, MD, 21224, USA
HuizenRi@grc.nia.nih.gov
SOURCE: Journal of Biological Chemistry, (May 2, 2003) Vol. 278,
No. 18, pp. 15558-15564. print.
CODEN: JBCHA3. ISSN: 0021-9258.
DOCUMENT TYPE: Article

LANGUAGE: English
ENTRY DATE: Entered STN: 19 Jun 2003
Last Updated on STN: 19 Jun 2003

L9 ANSWER 7 OF 120 MEDLINE on STN
ACCESSION NUMBER: 2003173772 MEDLINE
DOCUMENT NUMBER: 22578309 PubMed ID: 12562757
TITLE: A **eukaryotic** type serine/threonine **kinase**
and phosphatase in Streptococcus agalactiae reversibly
phosphorylate an inorganic pyrophosphatase and affect
growth, cell segregation, and virulence.
AUTHOR: Rajagopal Lakshmi; Clancy Anne; Rubens Craig E
CORPORATE SOURCE: Division of Infectious Disease, Childrens Hospital and
Regional Medical Center, Seattle, Washington 98105, USA.
CONTRACT NUMBER: 811501/N01-AI-75326 (NIAID)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Apr 18) 278 (16)
14429-41.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200305
ENTRY DATE: Entered STN: 20030416
Last Updated on STN: 20030523
Entered Medline: 20030522

L9 ANSWER 8 OF 120 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 2003507742 IN-PROCESS
DOCUMENT NUMBER: 22945366 PubMed ID: 14583488
TITLE: Identification and characterization of an inhibitor of
eukaryotic elongation factor 2 **kinase**
against **human** cancer cell lines.
AUTHOR: Arora Sonia; Yang Jin-Ming; Kinzy Terri Goss; Utsumi
Ryutaro; Okamoto Tadashi; Kitayama Takashi; Ortiz Pedro A;
Hait William N
CORPORATE SOURCE: The Cancer Institute of New Jersey, Department of Medicine,
University of Medicine and Dentistry of New Jersey-Robert
Wood Johnson Medical School, New Brunswick, New Jersey
08901, USA.
CONTRACT NUMBER: CA438888 (NCI)
CA72720 (NCI)
SOURCE: CANCER RESEARCH, (2003 Oct 15) 63 (20) 6894-9.
Journal code: 2984705R. ISSN: 0008-5472.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20031031
Last Updated on STN: 20031031

L9 ANSWER 9 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2003:106652 HCAPLUS
DOCUMENT NUMBER: 139:50485
TITLE: The p34cdc2-related Cyclin-dependent kinase 11
Interacts with the p47 Subunit of Eukaryotic
Initiation Factor 3 during Apoptosis
AUTHOR(S): Shi, Jiaqi; Feng, Yongmei; Goulet, Anne-Christine;
Vaillancourt, Richard R.; Sachs, Nancy A.; Hershey,
John W.; Nelson, Mark A.
CORPORATE SOURCE: Arizona Cancer Center, Department of Pathology,
University of Arizona, Tucson, AZ, 85724, USA
SOURCE: Journal of Biological Chemistry (2003), 278(7),
5062-5071

CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 10 OF 120 MEDLINE on STN DUPLICATE 4
ACCESSION NUMBER: 2003111907 MEDLINE
DOCUMENT NUMBER: 22497621 PubMed ID: 12610133
TITLE: Protein synthesis and endoplasmic reticulum stress can be
modulated by the hepatitis C virus envelope protein E2
through the **eukaryotic** initiation factor 2alpha
kinase PERK.
AUTHOR: Pavo Nicole; Romano Patrick R; Graczyk Thomas M; Feinstone
Stephen M; Taylor Deborah R
CORPORATE SOURCE: Howard Hughes Medical Institute, Department of Molecular
Microbiology and Immunology, School of Medicine, University
of Southern California, Los Angeles, California 90033, USA.
SOURCE: JOURNAL OF VIROLOGY, (2003 Mar) 77 (6) 3578-85.
Journal code: 0113724. ISSN: 0022-538X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200304
ENTRY DATE: Entered STN: 20030311
Last Updated on STN: 20030403
Entered Medline: 20030402

L9 ANSWER 11 OF 120 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 2003247921 MEDLINE
DOCUMENT NUMBER: 22656207 PubMed ID: 12771363
TITLE: Amino acids as regulators of gene **expression** at
the level of mRNA translation.
AUTHOR: Jefferson Leonard S; Kimball Scot R
CORPORATE SOURCE: Department of Cellular and Molecular Physiology,
Pennsylvania State University College of Medicine, Hershey,
PA 17033, USA.. jjefferson@psu.edu
CONTRACT NUMBER: DK-13499 (NIDDK)
DK-15658 (NIDDK)
SOURCE: JOURNAL OF NUTRITION, (2003 Jun) 133 (6 Suppl 1)
2046S-2051S. Ref: 71
Journal code: 0404243. ISSN: 0022-3166.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200306
ENTRY DATE: Entered STN: 20030529
Last Updated on STN: 20030625
Entered Medline: 20030624

L9 ANSWER 12 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:396578 BIOSIS
DOCUMENT NUMBER: PREV200300396578
TITLE: Cyclic AMP inhibits translation of cyclin D3 in T
lymphocytes at the level of elongation by inducing
eEF2-phosphorylation.
AUTHOR(S): Gutzkow, Kristine B.; Lahne, Hege U.; Naderi, Soheil;
Torgersen, Knut Martin; Skallhegg, Bjorn; Koketsu, Mamoru;

CORPORATE SOURCE: Uehara, Yoshimasa; Blomhoff, Heidi Kiil [Reprint Author]
Institute of Medical Biochemistry, University of Oslo,
Blindern, N-0317, P.O. Box 1112, Oslo, Norway
h.k.blomhoff@basalmed.uio.no
SOURCE: Cellular Signalling, (September 2003) Vol. 15, No. 9, pp.
871-881. print.
ISSN: 0898-6568 (ISSN print).
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Aug 2003
Last Updated on STN: 27 Aug 2003

L9 ANSWER 13 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 6

ACCESSION NUMBER: 2003:551497 BIOSIS
DOCUMENT NUMBER: PREV200300554387
TITLE: Wolcott-Rallison syndrome: Pathogenic insights into
neonatal diabetes from new mutation and **expression**
studies of EIF2AK3.
AUTHOR(S): Brickwood, S.; Bonthron, D. T.; Al-Gazali, L. I.; Piper,
K.; Hearn, T.; Wilson, D. I.; Hanley, N. A. [Reprint
Author]
CORPORATE SOURCE: Division of Human Genetics, Southampton General Hospital,
Tremona Road, Southampton, SO16 6YD, UK
n.a.hanley@soton.ac.uk
SOURCE: Journal of Medical Genetics, (September 2003) Vol. 40, No.
9, pp. 685-689. print.
CODEN: JMDGAE. ISSN: 0022-2593.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 26 Nov 2003
Last Updated on STN: 26 Nov 2003

L9 ANSWER 14 OF 120 MEDLINE on STN
ACCESSION NUMBER: 2003087826 MEDLINE
DOCUMENT NUMBER: 22441890 PubMed ID: 12554652
TITLE: The Helicobacter pylori CagA protein induces cortactin
dephosphorylation and actin rearrangement by c-Src
inactivation.
AUTHOR: Selbach Matthias; Moese Stefan; Hurwitz Robert; Hauck
Christof R; Meyer Thomas F; Backert Steffen
CORPORATE SOURCE: Max-Planck-Institut fur Infektionsbiologie, Abt. Molekulare
Biologie, Schumannstrasse 20/21, D-10117 Berlin, Germany.
SOURCE: EMBO JOURNAL, (2003 Feb 3) 22 (3) 515-28.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200303
ENTRY DATE: Entered STN: 20030226
Last Updated on STN: 20030327
Entered Medline: 20030326

L9 ANSWER 15 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 2003164910 EMBASE
TITLE: Structure, function and evolution of haspin and
haspin-related proteins, a distinctive group of
eukaryotic protein **kinases**.
AUTHOR: Higgins J.M.G.
CORPORATE SOURCE: J.M.G. Higgins, Department of Medicine, Brigham and Women's
Hospital, Harvard Medical School, One Jimmy Fund Way,
Boston, MA 02115, United States.

SOURCE: jhiggins@rics.bwh.harvard.edu
 Cellular and Molecular Life Sciences, (1 Mar 2003) 60/3
 (446-462).
 Refs: 99
 ISSN: 1420-682X CODEN: CMLSFI
 COUNTRY: Switzerland
 DOCUMENT TYPE: Journal; General Review
 FILE SEGMENT: 022 Human Genetics
 029 Clinical Biochemistry
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L9 ANSWER 16 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
 ACCESSION NUMBER: 2003-06276 BIOTECHDS
 TITLE: RTKdb: database of receptor tyrosine kinase;
 metazoon cellular process evolution and comparative study
 and tyrosine-kinase receptor database
 AUTHOR: GRASSOT J; MOUCHIROUD G; PERRIERE G
 CORPORATE SOURCE: Univ Lyon 1; Univ Lyon 1
 LOCATION: Grassot J, Univ Lyon 1, CNRS, UMR 5534, Ctr Genet Mol and
 Cellulaire, 43 Bd 11 Novembre 1918, F-69622 Villeurbanne,
 France
 SOURCE: NUCLEIC ACIDS RESEARCH; (2003) 31, 1, 353-358
 ISSN: 0305-1048
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L9 ANSWER 17 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2003:128287 BIOSIS
 DOCUMENT NUMBER: PREV200300128287
 TITLE: Functional characterization of Drosophila melanogaster PERK
eukaryotic initiation factor 2alpha (eIF2alpha)
kinase.
 AUTHOR(S): Pomar, Natalia; Berlanga, Juan J.; Campuzano, Sonsoles;
 Hernandez, Greco; Elias, Monica; de Haro, Cesar [Reprint
 Author]
 CORPORATE SOURCE: Centro de Biologia Molecular 'Severo Ochoa', Facultad de
 Ciencias, CSIC-UAM, Cantoblanco, Madrid, 28049, Spain
 cdeharo@cbm.uam.es
 SOURCE: European Journal of Biochemistry, (January 2003) Vol. 270,
 No. 2, pp. 293-306. print.
 ISSN: 0014-2956 (ISSN print).
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 5 Mar 2003
 Last Updated on STN: 5 Mar 2003

L9 ANSWER 18 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2003:629985 HCAPLUS
 TITLE: Contrasts between farnesyl pyrophosphate feedback
 inhibition of prokaryotic and **eukaryotic**
 mevalonate **kinase**
 AUTHOR(S): Mizioroko, Henry M.; Voynova, Natalya
 CORPORATE SOURCE: Biochemistry Department, Medical College of Wisconsin,
 Milwaukee, WI, 53226, USA
 SOURCE: Abstracts of Papers, 226th ACS National Meeting, New
 York, NY, United States, September 7-11, 2003 (2003),
 BIOL-117. American Chemical Society: Washington, D.
 C.
 CODEN: 69EKY9
 DOCUMENT TYPE: Conference; Meeting Abstract
 LANGUAGE: English

L9 ANSWER 19 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2003:547600 BIOSIS
DOCUMENT NUMBER: PREV200300548488
TITLE: Contrasts between farnesyl pyrophosphate feedback inhibition of prokaryotic and **eukaryotic** mevalonate **kinase**.
AUTHOR(S): Mizioro, Henry M. [Reprint Author]; Voynova, Natalya
CORPORATE SOURCE: Biochemistry Department, Medical College of Wisconsin, 8701 Watertown Plank Rd., Milwaukee, WI, 53226, USA
SOURCE: Abstracts of Papers American Chemical Society, (2003) Vol. 226, No. 1-2, pp. BIOL 117. print.
Meeting Info.: 226th ACS (American Chemical Society) National Meeting. New York, NY, USA. September 07-11, 2003. American Chemical Society.
ISSN: 0065-7727 (ISSN print).
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 19 Nov 2003
Last Updated on STN: 19 Nov 2003

L9 ANSWER 20 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:531243 BIOSIS
DOCUMENT NUMBER: PREV200300533784
TITLE: Characterization of a novel eukaryotic-type signal transduction pathway in *Streptococcus agalactiae*.
AUTHOR(S): Rajagopal, L. [Reprint Author]; Rubens, C. E. [Reprint Author]
CORPORATE SOURCE: Childrens Hospital and Regional Medical Center, Seattle, WA, USA
SOURCE: Abstracts of the General Meeting of the American Society for Microbiology, (2003) Vol. 103, pp. H-137.
<http://www.asmsa.org/mtgsrsrc/generalmeeting.htm>. cd-rom.
Meeting Info.: 103rd American Society for Microbiology General Meeting. Washington, DC, USA. May 18-22, 2003. American Society for Microbiology.
ISSN: 1060-2011 (ISSN print).
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 12 Nov 2003
Last Updated on STN: 12 Nov 2003

L9 ANSWER 21 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-07405 BIOTECHDS
TITLE: Screening for constitutively activated mutants of the mitogen activated protein kinase (MAPK) pathway member, useful for screening drugs for treating e.g. cancer, by employing a mutant yeast strain devoid of an upstream kinase;
vector-mediated **recombinant** protein gene transfer and **expression** in bacterium, yeast, insect, bird, plant or mammal cell for use in therapy
AUTHOR: ENGELBERG D; BELL M; LEVITZKI A
PATENT ASSIGNEE: YISSUM RES DEV CO HEBREW UNIV JERUSALEM
PATENT INFO: WO 2002081746 17 Oct 2002
APPLICATION INFO: WO 2002-IL281 4 Apr 2002
PRIORITY INFO: IL 2001-142481 5 Apr 2001; IL 2001-142481 5 Apr 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-067522 [06]

L9 ANSWER 22 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-17759 BIOTECHDS
TITLE: An isolated DNA sequence encoding a heme-regulated **eukaryotic** initiation factor 2-alpha **kinase**

used for inhibiting cell growth;
vector-mediated gene transfer and **expression** in
host cell for **recombinant** protein production and
gene therapy

PATENT ASSIGNEE: MASSACHUSETTS INST TECHNOLOGY
PATENT INFO: JP 2002119293 23 Apr 2002
APPLICATION INFO: JP 1992-245078 2 Mar 1992
PRIORITY INFO: JP 1992-245078 2 Mar 1992
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
OTHER SOURCE: WPI: 2002-475333 [51]

L9 ANSWER 23 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:937303 HCAPLUS
DOCUMENT NUMBER: 138:20443
TITLE: Endocrine disruptor screening using DNA chips of
endocrine disruptor-responsive genes
INVENTOR(S): Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi;
Tsujimoto, Yoshimasa; Takashima, Ryokichi; Enoki,
Yuki; Kato, Ikunoshin
PATENT ASSIGNEE(S): Takara Bio Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 386 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002355079	A2	20021210	JP 2002-69354	20020313
PRIORITY APPLN. INFO.:			JP 2001-73183 A	20010314
			JP 2001-74993 A	20010315
			JP 2001-102519 A	20010330

L9 ANSWER 24 OF 120 MEDLINE on STN DUPLICATE 8

ACCESSION NUMBER: 2002696082 MEDLINE
DOCUMENT NUMBER: 22344732 PubMed ID: 12372837
TITLE: Phosphorylation of the catalytic subunit of protein kinase
A. Autophosphorylation versus phosphorylation by
phosphoinositide-dependent kinase-1.
AUTHOR: Moore Michael J; Kanter Joan R; Jones K C; Taylor Susan S
CORPORATE SOURCE: Howard Hughes Medical Institute and Department of Chemistry
and Biochemistry, University of California, San Diego, La
Jolla, California 92093-0654, USA.
CONTRACT NUMBER: DK07233 (NIDDK)
GM19301 (NIGMS)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Dec 6) 277 (49)
47878-84.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200302
ENTRY DATE: Entered STN: 20021217
Last Updated on STN: 20030205
Entered Medline: 20030204

L9 ANSWER 25 OF 120 MEDLINE on STN DUPLICATE 9

ACCESSION NUMBER: 2002279701 MEDLINE
DOCUMENT NUMBER: 22014057 PubMed ID: 11907036
TITLE: Dimerization and release of molecular chaperone inhibition
facilitate activation of **eukaryotic** initiation

factor-2 **kinase** in response to endoplasmic reticulum stress.

AUTHOR: Ma Kun; Vattem Krishna M; Wek Ronald C

CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis, Indiana 46202, USA.

CONTRACT NUMBER: R01GM49164 (NIGMS)

R01GM643540 (NIGMS)

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 May 24) 277 (21) 18728-35.
Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200206

ENTRY DATE: Entered STN: 20020522
Last Updated on STN: 20030105
Entered Medline: 20020624

L9 ANSWER 26 OF 120 MEDLINE on STN DUPLICATE 10

ACCESSION NUMBER: 2002270307 MEDLINE

DOCUMENT NUMBER: 21993146 PubMed ID: 11997520

TITLE: The PERK **eukaryotic** initiation factor 2 alpha **kinase** is required for the development of the skeletal system, postnatal growth, and the function and viability of the pancreas.

AUTHOR: Zhang Peichuan; McGrath Barbara; Li Sheng'ai; Frank Ami; Zambito Frank; Reinert Jamie; Gannon Maureen; Ma Kun; McNaughton Kelly; Cavener Douglas R

CORPORATE SOURCE: Department of Biology, The Pennsylvania State University, University Park, Pennsylvania 16802, USA.

CONTRACT NUMBER: GM56957 (NIGMS)

SOURCE: MOLECULAR AND CELLULAR BIOLOGY, (2002 Jun) 22 (11) 3864-74.
Journal code: 8109087. ISSN: 0270-7306.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200206

ENTRY DATE: Entered STN: 20020516
Last Updated on STN: 20020611
Entered Medline: 20020606

L9 ANSWER 27 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 2002:776056 SCISEARCH

THE GENUINE ARTICLE: 592VU

TITLE: Superantigen enhancement of specific immunity: Antibody production and signaling pathways

AUTHOR: Torres B A; Perrin G Q; Mujtaba M G; Subramaniam P S; Anderson A K; Johnson H M (Reprint)

CORPORATE SOURCE: Univ Florida, Dept Microbiol & Cell Sci, Box 110700, Gainesville, FL 32611 USA (Reprint); Univ Florida, Dept Microbiol & Cell Sci, Gainesville, FL 32611 USA

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF IMMUNOLOGY, (15 SEP 2002) Vol. 169, No. 6, pp. 2907-2914.
Publisher: AMER ASSOC IMMUNOLOGISTS, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814 USA.
ISSN: 0022-1767.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 27

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 28 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2002:921133 HCAPLUS
 DOCUMENT NUMBER: 138:199895
 TITLE: The Protein Kinase Complement of the **Human** Genome
 AUTHOR(S): Manning, G.; Whyte, D. B.; Martinez, R.; Hunter, T.; Sudarsanam, S.
 CORPORATE SOURCE: SUGEN Inc., South San Francisco, CA, 94080, USA
 SOURCE: Science (Washington, DC, United States) (2002), 298(5600), 1912-1916, 1933-1934
 CODEN: SCIEAS; ISSN: 0036-8075
 PUBLISHER: American Association for the Advancement of Science
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 29 OF 120 MEDLINE on STN DUPLICATE 11
 ACCESSION NUMBER: 2002371926 MEDLINE
 DOCUMENT NUMBER: 22113261 PubMed ID: 12118091
 TITLE: High **expression** of methionine aminopeptidase type 2 in germinal center B cells and their neoplastic counterparts.
 AUTHOR: Kanno Takayuki; Endo Hideya; Takeuchi Kengo; Morishita Yasuyuki; Fukayama Masashi; Mori Shigeo
 CORPORATE SOURCE: Division of Pathology, Institute of Medical Science, University of Tokyo, Tokyo, Japan.. jtakayuk-tky@umin.ac.jp
 SOURCE: LABORATORY INVESTIGATION, (2002 Jul) 82 (7) 893-901.
 Journal code: 0376617. ISSN: 0023-6837.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200208
 ENTRY DATE: Entered STN: 20020716
 Last Updated on STN: 20020809
 Entered Medline: 20020808

L9 ANSWER 30 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 2002717797 MEDLINE
 DOCUMENT NUMBER: 22367649 PubMed ID: 12479100
 TITLE: **Cloning**, sequencing, **expression**, and primary identification of **recombinant** mouse protein kinase CK2 alpha subunit.
 AUTHOR: Chen Xiao-wen; Liu Xin-guang; Zheng Ke-qin; Liang Nian-ci
 CORPORATE SOURCE: Institute of Biochemistry and Molecular Biology, Guangdong Medical College, Zhanjiang, 524023, P. R. China.
 SOURCE: Ai Zheng, (2002 Jul) 21 (7) 751-6.
 Journal code: 9424852. ISSN: 1000-467X.
 PUB. COUNTRY: China
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: Chinese
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200212
 ENTRY DATE: Entered STN: 20021218
 Last Updated on STN: 20021231
 Entered Medline: 20021230

L9 ANSWER 31 OF 120 MEDLINE on STN DUPLICATE 12
 ACCESSION NUMBER: 2002122579 MEDLINE
 DOCUMENT NUMBER: 21671479 PubMed ID: 11812127
 TITLE: Deoxyribonucleoside kinases belonging to the thymidine kinase 2 (TK2)-like group vary significantly in substrate

specificity, kinetics and feed-back regulation.
 AUTHOR: Knecht Wolfgang; Petersen Gitte Ebert; Munch-Petersen
 Birgitte; Piskur Jure
 CORPORATE SOURCE: Section of Molecular Microbiology, BioCentrum-DTU, Building
 301, Technical University of Denmark, Lyngby, DK 2800,
 Denmark.. wolfgang.knecht@biocentrum.dtu.dk
 SOURCE: JOURNAL OF MOLECULAR BIOLOGY, (2002 Jan 25) 315 (4) 529-40.
 Journal code: 2985088R. ISSN: 0022-2836.
 PUB. COUNTRY: England: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-AU004826; GENBANK-AW159435
 ENTRY MONTH: 200203
 ENTRY DATE: Entered STN: 20020223
 Last Updated on STN: 20020315
 Entered Medline: 20020314

L9 ANSWER 32 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 2002194592 MEDLINE
 DOCUMENT NUMBER: 21924789 PubMed ID: 11926986
 TITLE: Phosphoinositide kinases as enzymes that produce versatile
 signaling lipids, phosphoinositides.
 AUTHOR: Kanaho Yasunori; Suzuki Teruhiko
 CORPORATE SOURCE: Department of Pharmacology, The Tokyo Metropolitan
 Institute of Medical Science, Honkomagome, Bunkyo-ku, Tokyo
 113-8613, Japan.. ykanaho@rinshoken.or.jp
 SOURCE: JOURNAL OF BIOCHEMISTRY, (2002 Apr) 131 (4) 503-9. Ref: 68
 Journal code: 0376600. ISSN: 0021-924X.
 PUB. COUNTRY: Japan
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200210
 ENTRY DATE: Entered STN: 20020404
 Last Updated on STN: 20021010
 Entered Medline: 20021009

L9 ANSWER 33 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN
 ACCESSION NUMBER: 2002457551 EMBASE
 TITLE: Lead exposure and heat shock inhibit cell proliferation in
 human HeLa and K562 cells by inducing
expression and activity of the heme-regulated
 eIF-2.alpha. kinase.
 AUTHOR: Sarkar A.; Chattopadhyay S.; Kaul R.; Pal J.K.
 CORPORATE SOURCE: J.K. Pal, Department of Biotechnology, Cell and Molec.
 Biol. Research Lab., University of Pune, Pune 411 007,
 India. jkpal@unipune.ernet.in
 SOURCE: Journal of Biochemistry, Molecular Biology and Biophysics,
 (2002) 6/6 (391-396).
 Refs: 27
 ISSN: 1025-8140 CODEN: JBMBF6
 COUNTRY: United Kingdom
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 029 Clinical Biochemistry
 052 Toxicology
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L9 ANSWER 34 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2003:338391 BIOSIS

DOCUMENT NUMBER: PREV200300338391
 TITLE: Pantothenate kinase as a target for new antimicrobial agents.
 AUTHOR(S): Dunster, N. J. [Reprint Author]; Ali, S. T. [Reprint Author]; Tyler, P. D. [Reprint Author]; Gill, A. E. [Reprint Author]; Lewendon, A. [Reprint Author]
 CORPORATE SOURCE: PanTherix Ltd, Glasgow, UK
 SOURCE: Abstracts of the Interscience Conference on Antimicrobial Agents and Chemotherapy, (2002) Vol. 42, pp. 198. print. Meeting Info.: 42nd Interscience Conference on Antimicrobial Agents and Chemotherapy. San Diego, CA, USA. September 27-30, 2002. American Society for Microbiology.
 DOCUMENT TYPE: Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LANGUAGE: English
 ENTRY DATE: Entered STN: 23 Jul 2003
 Last Updated on STN: 23 Jul 2003

L9 ANSWER 35 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN DUPLICATE 13

ACCESSION NUMBER: 2002:666645 SCISEARCH
 THE GENUINE ARTICLE: 580DX
 TITLE: Molecular **cloning** and sequencing of the **human** heme-regulated eukaryotic initiation factor 2 alpha (eIF-2 alpha) kinase from bone marrow culture
 AUTHOR: Omasa T; Chen Y G; Mantalaris A; Tsai Y C; Wu J H D (Reprint)
 CORPORATE SOURCE: Univ Rochester, Dept Chem Engrn, 206 Gavett Hall, Rochester, NY 14627 USA (Reprint); Univ Rochester, Dept Chem Engrn, Rochester, NY 14627 USA; Univ Rochester, Dept Pathol, Rochester, NY 14627 USA
 COUNTRY OF AUTHOR: USA
 SOURCE: DNA SEQUENCE, (JUN 2002) Vol. 13, No. 3, pp. 133-137. Publisher: HARWOOD ACAD PUBL GMBH, TAYLOR & FRANCIS GROUP, 325 CHESTNUT ST, 8TH FL, PHILADELPHIA, PA 19106 USA. ISSN: 1042-5179.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 18
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 36 OF 120 MEDLINE on STN DUPLICATE 14
 ACCESSION NUMBER: 2002399996 MEDLINE
 DOCUMENT NUMBER: 22143972 PubMed ID: 12149123
 TITLE: The haem-regulated **eukaryotic** initiation factor 2alpha **kinase**: a molecular indicator of lead-toxicity anaemia in rabbits.
 AUTHOR: Anand Sanjay; Pal Jayanta K
 CORPORATE SOURCE: Department of Biotechnology, University of Pune, Pune-411 007, India.
 SOURCE: BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, (2002 Aug) 36 (Pt 1) 57-62. Journal code: 8609465. ISSN: 0885-4513.
 PUB. COUNTRY: England: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200301
 ENTRY DATE: Entered STN: 20020801
 Last Updated on STN: 20030128
 Entered Medline: 20030127

L9 ANSWER 37 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2003:154590 BIOSIS

DOCUMENT NUMBER: PREV200300154590
TITLE: Two Forms of the Large Tumor Suppressor Gene (lats1) Protein **Expressed** in the Vertebrate Retina.
AUTHOR(S): Akhmedov, N. B. [Reprint Author]; Yamashita, C. K. [Reprint Author]; Reid, S. N. M. [Reprint Author]; Piriev, N. I. [Reprint Author]; Acland, G. M.; Aguirre, G. D.; Farber, D. B. [Reprint Author]
CORPORATE SOURCE: JSEI-UCLA, Los Angeles, CA, USA
SOURCE: ARVO Annual Meeting Abstract Search and Program Planner, (2002) Vol. 2002, pp. Abstract No. 2420. cd-rom. Meeting Info.: Annual Meeting of the Association For Research in Vision and Ophthalmology. Fort Lauderdale, Florida, USA. May 05-10, 2002.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 26 Mar 2003
Last Updated on STN: 26 Mar 2003

L9 ANSWER 38 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2002:519087 BIOSIS
DOCUMENT NUMBER: PREV200200519087
TITLE: Role of Helicobacter pylori **eukaryotic**-like **kinase** (HP0432) and threonine phosphatase (HP0431) genes in the induction of apoptosis in gastric epithelial cells.
AUTHOR(S): Croitoru, Ken [Reprint author]; Wang, Yu-Fa; D'Elia, Michael; Borojevic, Rajka; Lipson, David; Zhou, Pengfei; Sherman, Phil; Day, Andrew; Brown, Eric D.
CORPORATE SOURCE: Hamilton, ON, Canada
SOURCE: Gastroenterology, (April, 2002) Vol. 122, No. 4 Suppl. 1, pp. A-223. print. Meeting Info.: Digestive Disease Week and the 103rd Annual Meeting of the American Gastroenterological Association. San Francisco, CA, USA. May 19-22, 2002. CODEN: GASTAB. ISSN: 0016-5085.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 9 Oct 2002
Last Updated on STN: 9 Oct 2002

L9 ANSWER 39 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-05429 BIOTECHDS
TITLE: New mutated **eukaryotic** initiation factor 2 alpha **kinase** 3 genes and polypeptides in patients with Wolcott-Rallison syndrome, useful for preventing or treating e.g. diabetes, osteoporosis, arthritis or mental retardation; involving vector-mediated gene transfer for **expression** in host cell, for use in drug screening, disease diagnosis, prevention, therapy and gene therapy
AUTHOR: JULIER C; DELEPINE M; NICOLINO M
PATENT ASSIGNEE: INSERM INST NAT SANTE and RECH MEDICALE; CENT NAT GENOTYPAGE
PATENT INFO: WO 2001090371 29 Nov 2001
APPLICATION INFO: WO 2000-IB1153 23 May 2000
PRIORITY INFO: EP 2000-402707 2 Oct 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-122021 [16]

L9 ANSWER 40 OF 120 MEDLINE on STN
ACCESSION NUMBER: 2001252565 MEDLINE
DOCUMENT NUMBER: 21248791 PubMed ID: 11350982

TITLE: Budding yeast GCN1 binds the GI domain to activate the eIF2alpha kinase GCN2.
 AUTHOR: Kubota H; Ota K; Sakaki Y; Ito T
 CORPORATE SOURCE: Division of Genome Biology, Cancer Research Institute, Kanazawa University, 13-1 Takaramachi, Kanazawa 920-0934, Japan.
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 May 18) 276 (20) 17591-6.
 Journal code: 2985121R. ISSN: 0021-9258.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200107
 ENTRY DATE: Entered STN: 20010709
 Last Updated on STN: 20030204
 Entered Medline: 20010705

L9 ANSWER 41 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 2001370800 MEDLINE
 DOCUMENT NUMBER: 21226724 PubMed ID: 11278914
 TITLE: The heme-regulated **eukaryotic** initiation factor 2alpha **kinase**. A potential regulatory target for control of protein synthesis by diffusible gases.
 AUTHOR: Uma S; Yun B G; Matts R L
 CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, Oklahoma State University, Stillwater, Oklahoma 74078, USA.
 CONTRACT NUMBER: ES-04299 (NIEHS)
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 May 4) 276 (18) 14875-83.
 Journal code: 2985121R. ISSN: 0021-9258.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200106
 ENTRY DATE: Entered STN: 20010702
 Last Updated on STN: 20030105
 Entered Medline: 20010628

L9 ANSWER 42 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 2001504158 MEDLINE
 DOCUMENT NUMBER: 21437970 PubMed ID: 11526204
 TITLE: Receptor-like kinases from Arabidopsis form a monophyletic gene family related to animal receptor kinases.
 AUTHOR: Shiu S H; Bleecker A B
 CORPORATE SOURCE: Department of Botany, University of Wisconsin, Madison, WI 53706, USA.
 SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2001 Sep 11) 98 (19) 10763-8.
 Journal code: 7505876. ISSN: 0027-8424.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200111
 ENTRY DATE: Entered STN: 20010913
 Last Updated on STN: 20030105
 Entered Medline: 20011101

L9 ANSWER 43 OF 120 MEDLINE on STN DUPLICATE 16
 ACCESSION NUMBER: 2001392739 MEDLINE
 DOCUMENT NUMBER: 21340269 PubMed ID: 11447118
 TITLE: The Hsp90 chaperone complex is both a facilitator and a

repressor of the dsRNA-dependent kinase PKR.
 AUTHOR: Donze O; Abbas-Terki T; Picard D
 CORPORATE SOURCE: Departement de Biologie Cellulaire, Universite de Geneve,
 Sciences III, 30 quai Ernest-Ansermet, CH-1211 Geneve 4,
 Switzerland.. Donze@cellbio.unige.ch
 SOURCE: EMBO JOURNAL, (2001 Jul 16) 20 (14) 3771-80.
 Journal code: 8208664. ISSN: 0261-4189.
 PUB. COUNTRY: England: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200108
 ENTRY DATE: Entered STN: 20010827
 Last Updated on STN: 20010827
 Entered Medline: 20010823

L9 ANSWER 44 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN

ACCESSION NUMBER: 2001041730 EMBASE
 TITLE: The mitogen-activated protein kinase signal-integrating
 kinase Mnk2 is a **eukaryotic** initiation factor 4E
kinase with high levels of basal activity in
 mammalian cells.
 AUTHOR: Scheper G.C.; Morrice N.A.; Kleijn M.; Proud C.G.
 CORPORATE SOURCE: C.G. Proud, School of Life Sciences, MSI/WTB Complex,
 University of Dundee, Dow St., Dundee DD1 5EH, United
 Kingdom. c.g.proud@dundee.ac.uk
 SOURCE: Molecular and Cellular Biology, (2001) 21/3 (743-754).
 Refs: 40
 ISSN: 0270-7306 CODEN: MCEBD4
 COUNTRY: United States
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 029 Clinical Biochemistry
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L9 ANSWER 45 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 2001266070 MEDLINE
 DOCUMENT NUMBER: 21257066 PubMed ID: 11357414
 TITLE: [Novel type of signaling molecules: protein kinases
 covalently linked to ion channels].
 Signal'nye molekuly novogo tipa: proteinkinazy, kovalentno
 svyazannye s ionnymi kanalami.
 AUTHOR: Riazanova L V; Pavur K S; Petrov A N; Dorovkov M V;
 Riazanov A G
 CORPORATE SOURCE: Department of Pharmacology, University of Medicine &
 Dentistry of New Jersey, Robert Wood Johnson Medical
 School, Piscataway, NJ 08854, USA.
 CONTRACT NUMBER: CA-81102 (NCI)
 GM-57300 (NIGMS)
 SOURCE: MOLEKULIARNAIA BIOLOGIIA, (2001 Mar-Apr) 35 (2) 321-32.
 Journal code: 0105454. ISSN: 0026-8984.
 PUB. COUNTRY: Russia: Russian Federation
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: Russian
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200108
 ENTRY DATE: Entered STN: 20010806
 Last Updated on STN: 20020216
 Entered Medline: 20010802

L9 ANSWER 46 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN DUPLICATE
 17
 ACCESSION NUMBER: 2001:413956 SCISEARCH

THE GENUINE ARTICLE: 430YB
 TITLE: Novel type of signaling molecules: Protein kinases covalently linked with ion channels
 AUTHOR: Ryazanova L V (Reprint); Pavur K S; Petrov A N; Dorovkov M V; Ryazanov A G
 CORPORATE SOURCE: Univ Med & Dent New Jersey, Robert Wood Johnson Med Sch, Dept Pharmacol, Piscataway, NJ 08854 USA (Reprint)
 COUNTRY OF AUTHOR: USA
 SOURCE: MOLECULAR BIOLOGY, (MAR-APR 2001) Vol. 35, No. 2, pp. 271-283.
 Publisher: CONSULTANTS BUREAU, 233 SPRING ST, NEW YORK, NY 10013 USA.
 ISSN: 0026-8933.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 44
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 47 OF 120 MEDLINE on STN DUPLICATE 18
 ACCESSION NUMBER: 2001357465 MEDLINE
 DOCUMENT NUMBER: 21311381 PubMed ID: 11418192
 TITLE: Identification and **cloning** of Lmairk, a member of the Aurora/Ipl1p protein kinase family, from the **human** protozoan parasite Leishmania.
 AUTHOR: Siman-Tov M M; Ivens A C; Jaffe C L
 CORPORATE SOURCE: Department of Parasitology, Hebrew University, Hadassah Medical School, Jerusalem, Israel.
 SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, (2001 Jun 28) 1519 (3) 241-5.
 Journal code: 0217513. ISSN: 0006-3002.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-U91744
 ENTRY MONTH: 200108
 ENTRY DATE: Entered STN: 20010813
 Last Updated on STN: 20010813
 Entered Medline: 20010809

L9 ANSWER 48 OF 120 MEDLINE on STN DUPLICATE 19
 ACCESSION NUMBER: 2001325766 MEDLINE
 DOCUMENT NUMBER: 21225015 PubMed ID: 11325608
 TITLE: Characterization of mevalonate kinase V377I, a mutant implicated in defective isoprenoid biosynthesis and HIDS/periodic fever syndrome.
 AUTHOR: Rios S E; Cho Y K; Mizioroko H M
 CORPORATE SOURCE: Biochemistry Department, Medical College of Wisconsin, Milwaukee, WI 53226, USA.
 CONTRACT NUMBER: DK53766 (NIDDK)
 SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, (2001 Apr 30) 1531 (3) 165-8.
 Journal code: 0217513. ISSN: 0006-3002.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: OMIM-260920
 ENTRY MONTH: 200106
 ENTRY DATE: Entered STN: 20010611
 Last Updated on STN: 20010611
 Entered Medline: 20010607

L9 ANSWER 49 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2001:244975 BIOSIS
 DOCUMENT NUMBER: PREV200100244975
 TITLE: Novel protein kinases fused to ion channels.
 AUTHOR(S): Ryazanov, Alexey G. [Reprint author]; Pavur, Karen S. [Reprint author]; Petrov, Alexey N. [Reprint author]; Dorovkov, Maxim V. [Reprint author]; Ryazanov, Lillia V. [Reprint author]
 CORPORATE SOURCE: R. W. Johnson Medical School, 675 Hoes Lane, Piscataway, NJ, 08854, USA
 SOURCE: FASEB Journal, (March 7, 2001) Vol. 15, No. 4, pp. A9. print.
 Meeting Info.: Annual Meeting of the Federation of American Societies for Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA. March 31-April 04, 2001.
 CODEN: FAJOEC. ISSN: 0892-6638.
 DOCUMENT TYPE: Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LANGUAGE: English
 ENTRY DATE: Entered STN: 23 May 2001
 Last Updated on STN: 19 Feb 2002

L9 ANSWER 50 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:784328 HCAPLUS
 DOCUMENT NUMBER: 133:345599
 TITLE: Molecules of the **human** KID-1-related serine/threonine protein kinase family and their uses
 INVENTOR(S): Kapeller, Rosana
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA
 SOURCE: U.S., 39 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6143540	A	20001107	US 1999-237543	19990126
US 6383791	B1	20020507	US 2000-644450	20000823
US 2002115120	A1	20020822	US 2001-971791	20011004

PRIORITY APPLN. INFO.: US 1999-237543 A3 19990126
 US 2000-644450 A2 20000823
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 51 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:324407 HCAPLUS
 DOCUMENT NUMBER: 133:146862
 TITLE: The **human** nm23-H4 gene product is a mitochondrial nucleoside diphosphate kinase
 AUTHOR(S): Milon, Laurence; Meyer, Philippe; Chiadmi, Mohamed; Munier, Annie; Johansson, Magnus; Karlsson, Anna; Lascu, Ioan; Capeau, Jacqueline; Janin, Joel; Lacombe, Marie-Lise
 CORPORATE SOURCE: INSERM U402, Faculte de Medecine Saint-Antoine, Paris, 75012, Fr.
 SOURCE: Journal of Biological Chemistry (2000), 275(19), 14264-14272
 CODEN: JBCHA3; ISSN: 0021-9258
 PUBLISHER: American Society for Biochemistry and Molecular Biology
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 52 OF 120 MEDLINE on STN DUPLICATE 20
 ACCESSION NUMBER: 2001028731 MEDLINE
 DOCUMENT NUMBER: 20471916 PubMed ID: 11015200
 TITLE: Mapping the functional domains of elongation factor-2
 kinase.
 AUTHOR: Pavur K S; Petrov A N; Ryazanov A G
 CORPORATE SOURCE: Department of Pharmacology, University of Medicine and
 Dentistry of New Jersey-Robert Wood Johnson Medical School,
 675 Hoes Lane, Piscataway, New Jersey 08854, USA.
 CONTRACT NUMBER: CA-81102 (NCI)
 GM-57300 (NIGMS)
 SOURCE: BIOCHEMISTRY, (2000 Oct 10) 39 (40) 12216-24.
 Journal code: 0370623. ISSN: 0006-2960.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200011
 ENTRY DATE: Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20001121

L9 ANSWER 53 OF 120 MEDLINE on STN DUPLICATE 21
 ACCESSION NUMBER: 2001095466 MEDLINE
 DOCUMENT NUMBER: 20485742 PubMed ID: 11029659
 TITLE: Identification and characterization of **human**
 Wee1B, a new member of the Wee1 family of Cdk-inhibitory
 kinases.
 AUTHOR: Nakanishi M; Ando H; Watanabe N; Kitamura K; Ito K; Okayama
 H; Miyamoto T; Agui T; Sasaki M
 CORPORATE SOURCE: Department of Biochemistry, Center for Experimental Animal
 Science, Nagoya City University Medical School, 1 Kawasumi,
 Mizuho-cho, Mizuho-ku, Nagoya 467-8601, Japan..
 mkt-naka@med.nagoya-cu.ac.jp
 SOURCE: GENES TO CELLS, (2000 Oct) 5 (10) 839-47.
 Journal code: 9607379. ISSN: 1356-9597.
 PUB. COUNTRY: ENGLAND: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200102
 ENTRY DATE: Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010201

L9 ANSWER 54 OF 120 MEDLINE on STN DUPLICATE 22
 ACCESSION NUMBER: 2001303487 MEDLINE
 DOCUMENT NUMBER: 20550853 PubMed ID: 11101152
 TITLE: **Cloning of hHRI, human heme-regulated**
eukaryotic initiation factor 2alpha **kinase**
 : down-regulated in epithelial ovarian cancers.
 AUTHOR: Hwang S Y; Kim M K; Kim J C
 CORPORATE SOURCE: Department of Immunology, Kyungpook National University
 School of Medicine, Taegu, Korea.
 SOURCE: MOLECULES AND CELLS, (2000 Oct 31) 10 (5) 584-91.
 Journal code: 9610936. ISSN: 1016-8478.
 PUB. COUNTRY: KOREA (SOUTH)
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200105
 ENTRY DATE: Entered STN: 20010604

Last Updated on STN: 20010604
Entered Medline: 20010531

L9 ANSWER 55 OF 120 MEDLINE on STN DUPLICATE 23
ACCESSION NUMBER: 2000143423 MEDLINE
DOCUMENT NUMBER: 20143423 PubMed ID: 10677345
TITLE: Pancreatic **eukaryotic** initiation factor-2alpha
kinase (PEK) homologues in **humans**,
Drosophila melanogaster and Caenorhabditis elegans that
mediate translational control in response to endoplasmic
reticulum stress.
AUTHOR: Sood R; Porter A C; Ma K; Quilliam L A; Wek R C
CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, Indiana
University School of Medicine, Indianapolis, IN 46202, USA.
CONTRACT NUMBER: GM49164 (NIGMS)
SOURCE: BIOCHEMICAL JOURNAL, (2000 Mar 1) 346 Pt 2 281-93.
Journal code: 2984726R. ISSN: 0264-6021.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF193339; GENBANK-AF193340; GENBANK-AF193341
ENTRY MONTH: 200004
ENTRY DATE: Entered STN: 20000505
Last Updated on STN: 20000505
Entered Medline: 20000425

L9 ANSWER 56 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1999-13271 BIOTECHDS
TITLE: Novel rat and **human** pancreatic **eukaryotic**
translation initiation factor-2-alpha-**kinase** useful
for drug discovery and development;
recombinant protein production via vector
plasmid-mediated gene transfer and **expression** in
Spodoptera frugiperda Sf9 insect cell culture
AUTHOR: Shi Y
PATENT ASSIGNEE: Lilly
LOCATION: Indianapolis, IN, USA.
PATENT INFO: WO 9938994 5 Aug 1999
APPLICATION INFO: WO 1999-US623 12 Jan 1999
PRIORITY INFO: US 1998-109992 25 Nov 1998; US 1998-73031 29 Jan 1998
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1999-469338 [39]

L9 ANSWER 57 OF 120 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1999-07372 BIOTECHDS
TITLE: New growth factor receptor-bound protein;
human recombinant protein-tyrosine-
kinase receptor preparation, used for disease diagnosis,
drug screening and cancer therapy
AUTHOR: Schlessinger J; Skolnik E Y; Margolis B L; App H
PATENT ASSIGNEE: Univ.New-York
LOCATION: New York, NY, USA.
PATENT INFO: US 5889150 30 Mar 1999
APPLICATION INFO: US 1994-252820 2 Jun 1994
PRIORITY INFO: US 1994-252820 2 Jun 1994
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1999-243285 [20]

L9 ANSWER 58 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1999:223020 HCAPLUS
DOCUMENT NUMBER: 130:264049

TITLE: Human Ste20-like stress-activated
serine/threonine kinase
INVENTOR(S): Moore, William Craig; Norris, Tyrell Errick;
Silberstein, David Shay
PATENT ASSIGNEE(S): Zeneca Limited, UK
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9915635	A1	19990401	WO 1998-GB2825	19980917
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6265560	B1	20010724	US 1998-152406	19980914
AU 9891726	A1	19990412	AU 1998-91726	19980917
EP 1015566	A1	20000705	EP 1998-944048	19980917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001517430	T2	20011009	JP 2000-512928	19980917
US 2002132296	A1	20020919	US 2001-906397	20010716
PRIORITY APPLN. INFO.: GB 1997-19920 A 19970919				
US 1998-152406 A3 19980914				
WO 1998-GB2825 W 19980917				
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L9 ANSWER 59 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1999:139988 HCAPLUS
DOCUMENT NUMBER: 130:205104
TITLE: Elongation factor-2 kinase (EF-2 kinase) and methods for antitumor and antiproliferative drug screening therewith
INVENTOR(S): Ryazanov, Alexey G.; Hait, William N.; Pavur, Karen S.
PATENT ASSIGNEE(S): University of Medicine and Dentistry, USA
SOURCE: PCT Int. Appl., 146 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9909199	A2	19990225	WO 1998-US17272	19980820
WO 9909199	A3	19990603		
W: AU, CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6346406	B1	20020212	US 1997-914999	19970820
CA 2301801	AA	19990225	CA 1998-2301801	19980820
AU 9891100	A1	19990308	AU 1998-91100	19980820
EP 1060260	A2	20001220	EP 1998-943271	19980820
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, FI				
JP 2002505842	T2	20020226	JP 2000-509861	19980820

US 2002142429 A1 20021003 US 2001-994485 20011127
PRIORITY APPLN. INFO.: US 1997-914999 A2 19970820
WO 1998-US17272 W 19980820

L9 ANSWER 60 OF 120 MEDLINE on STN
ACCESSION NUMBER: 2000011422 MEDLINE
DOCUMENT NUMBER: 20011422 PubMed ID: 10542257
TITLE: The interferon-induced double-stranded RNA-activated
protein kinase PKR will phosphorylate serine, threonine, or
tyrosine at residue 51 in eukaryotic initiation factor
2alpha.
AUTHOR: Lu J; O'Hara E B; Trieselmann B A; Romano P R; Dever T E
CORPORATE SOURCE: Laboratory of Eukaryotic Gene Regulation, NICHD, National
Institutes of Health, Bethesda, Maryland 20892-2716, USA.
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1999 Nov 5) 274 (45)
32198-203.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199912
ENTRY DATE: Entered STN: 20000113
Last Updated on STN: 20000113
Entered Medline: 19991213

L9 ANSWER 61 OF 120 MEDLINE on STN DUPLICATE 26
ACCESSION NUMBER: 1999321886 MEDLINE
DOCUMENT NUMBER: 99321886 PubMed ID: 10391900
TITLE: Single strand DNA specificity analysis of **human**
nucleoside diphosphate kinase B.
AUTHOR: Agou F; Raveh S; Mesnildrey S; Veron M
CORPORATE SOURCE: Unite de Regulation Enzymatique des Activites Cellulaires,
Institut Pasteur, CNRS-URA 1773, 25 rue du Docteur Roux
75724, Paris cedex 15, France.
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1999 Jul 9) 274 (28)
19630-8.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199908
ENTRY DATE: Entered STN: 19990816
Last Updated on STN: 19990816
Entered Medline: 19990805

L9 ANSWER 62 OF 120 MEDLINE on STN DUPLICATE 27
ACCESSION NUMBER: 2000002541 MEDLINE
DOCUMENT NUMBER: 20002541 PubMed ID: 10531215
TITLE: **Expression** and characterization of the
Mycobacterium tuberculosis serine/threonine protein kinase
PknB.
AUTHOR: Av-Gay Y; Jamil S; Drews S J
CORPORATE SOURCE: Department of Medicine, Division of Infectious Diseases,
University of British Columbia, Vancouver, British
Columbia, Canada V5Z 3J5.. yossi@interchange.ubc.ca
SOURCE: INFECTION AND IMMUNITY, (1999 Nov) 67 (11) 5676-82.
Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199911

ENTRY DATE: Entered STN: 20000111
Last Updated on STN: 20000111
Entered Medline: 19991116

L9 ANSWER 63 OF 120 MEDLINE on STN
ACCESSION NUMBER: 2000090459 MEDLINE
DOCUMENT NUMBER: 20090459 PubMed ID: 10627033
TITLE: Sequences and evolutionary analyses of **eukaryotic**
-type protein **kinases** from *Streptomyces*
coelicolor A3(2).
AUTHOR: Ogawara H; Aoyagi N; Watanabe M; Urabe H
CORPORATE SOURCE: Department of Biochemistry, Meiji Pharmaceutical
University, Kiyose, Tokyo, Japan.. hogawara@my-pharm.ac.jp
SOURCE: MICROBIOLOGY, (1999 Dec) 145 (Pt 12) 3343-52.
Journal code: 9430468. ISSN: 1350-0872.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; Space Life Sciences
OTHER SOURCE: GENBANK-AB016932; GENBANK-AB018799; GENBANK-AB019394;
GENBANK-AB021679
ENTRY MONTH: 200002
ENTRY DATE: Entered STN: 20000229
Last Updated on STN: 20000229
Entered Medline: 20000217

L9 ANSWER 64 OF 120 MEDLINE on STN
ACCESSION NUMBER: 1999173898 MEDLINE
DOCUMENT NUMBER: 99173898 PubMed ID: 10074068
TITLE: Sequence of Shiga toxin 2 phage 933W from *Escherichia coli*
O157:H7: Shiga toxin as a phage late-gene product.
AUTHOR: Plunkett G 3rd; Rose D J; Durfee T J; Blattner F R
CORPORATE SOURCE: Laboratory of Genetics, University of Wisconsin, Madison,
Wisconsin 53706, USA.
CONTRACT NUMBER: AI41329-01 (NIAID)
SOURCE: JOURNAL OF BACTERIOLOGY, (1999 Mar) 181 (6) 1767-78.
Journal code: 2985120R. ISSN: 0021-9193.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF125520
ENTRY MONTH: 199904
ENTRY DATE: Entered STN: 19990420
Last Updated on STN: 19990420
Entered Medline: 19990407

L9 ANSWER 65 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2000:22282 HCAPLUS
DOCUMENT NUMBER: 132:192739
TITLE: Up-regulation of phosphatidylinositol 3-kinase in
psoriatic lesions
AUTHOR(S): Zhang, Xiaoyan; Liu, Huitu; Ma, Shengqing
CORPORATE SOURCE: Dep. Biology, Beijing Normal Univ., Beijing, 100875,
Peop. Rep. China
SOURCE: Chinese Medical Journal (Beijing, English Edition)
(1999), 112(12), 1097-1100
CODEN: CMJODS; ISSN: 0366-6999
PUBLISHER: Chinese Medical Association
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 66 OF 120 MEDLINE on STN DUPLICATE 28
 ACCESSION NUMBER: 1999435990 MEDLINE
 DOCUMENT NUMBER: 99435990 PubMed ID: 10504407
 TITLE: Characterization of a mammalian homolog of the GCN2
eukaryotic initiation factor 2alpha **kinase**
 .
 AUTHOR: Berlanga J J; Santoyo J; De Haro C
 CORPORATE SOURCE: Centro de Biologia Molecular 'Severo Ochoa', Consejo
 Superior de Investigaciones Cientificas, Universidad
 Autonoma de Madrid, Spain.
 SOURCE: EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Oct) 265 (2)
 754-62.
 Journal code: 0107600. ISSN: 0014-2956.
 PUB. COUNTRY: GERMANY: Germany, Federal Republic of
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-AJ243428; GENBANK-AJ243533
 ENTRY MONTH: 199911
 ENTRY DATE: Entered STN: 20000111
 Last Updated on STN: 20000124
 Entered Medline: 19991122

L9 ANSWER 67 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1999:526214 BIOSIS
 DOCUMENT NUMBER: PREV199900526214
 TITLE: Striking multiplicity of eIF4E-BP1 phosphorylated isoforms
 identified by 2D gel electrophoresis. Regulation by heat
 shock.
 AUTHOR(S): Duncan, Roger F. [Reprint author]; Song, Hyun-Joo P.
 CORPORATE SOURCE: Department of Molecular Microbiology and Immunology, School
 of Medicine, 1985 Zonal Avenue, Los Angeles, CA, USA
 SOURCE: European Journal of Biochemistry, (Oct., 1999) Vol. 265,
 No. 2, pp. 728-743. print.
 CODEN: EJBACI. ISSN: 0014-2956.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 10 Dec 1999
 Last Updated on STN: 5 Jun 2000

L9 ANSWER 68 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 1999:928040 SCISEARCH
 THE GENUINE ARTICLE: 259NC
 TITLE: Protein synthesis inhibition by flavonoids: Roles of
eukaryotic initiation factor 2 alpha
kinases
 AUTHOR: Ito T (Reprint); Warnken S P; May W S
 CORPORATE SOURCE: UNIV TEXAS, MED BRANCH, DEPT INTERNAL MED, SEALY CTR ONCOL
 & HEMATOL, GALVESTON, TX 77555 (Reprint)
 COUNTRY OF AUTHOR: USA
 SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (19
 NOV 1999) Vol. 265, No. 2, pp. 589-594.
 Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN
 DIEGO, CA 92101-4495.
 ISSN: 0006-291X.
 DOCUMENT TYPE: Article; Journal
 FILE SEGMENT: LIFE
 LANGUAGE: English
 REFERENCE COUNT: 29
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 69 OF 120 MEDLINE on STN DUPLICATE 29
 ACCESSION NUMBER: 1999381535 MEDLINE
 DOCUMENT NUMBER: 99381535 PubMed ID: 10453732

TITLE: NME6: a new member of the nm23/nucleoside diphosphate kinase gene family located on **human** chromosome 3p21.3.
 AUTHOR: Mehus J G; Deloukas P; Lambeth D O
 CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, University of North Dakota School of Medicine and Health Sciences, Grand Forks 58202, USA.
 CONTRACT NUMBER: GM54260 (NIGMS)
 SOURCE: HUMAN GENETICS, (1999 Jun) 104 (6) 454-9.
 Journal code: 7613873. ISSN: 0340-6717.
 PUB. COUNTRY: GERMANY: Germany, Federal Republic of
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-AF051941; GENBANK-AF051942; GENBANK-AF051943
 ENTRY MONTH: 199909
 ENTRY DATE: Entered STN: 19990913
 Last Updated on STN: 19990913
 Entered Medline: 19990902

L9 ANSWER 70 OF 120 MEDLINE on STN DUPLICATE 30
 ACCESSION NUMBER: 2000064973 MEDLINE
 DOCUMENT NUMBER: 20064973 PubMed ID: 10598103
 TITLE: Specific in vitro phosphorylation of plant eIF2alpha by **eukaryotic eIF2alpha kinases**.
 AUTHOR: Chang L Y; Yang W Y; Browning K; Roth D
 CORPORATE SOURCE: Department of Molecular Biology, University of Wyoming, Laramie 82071-3354, USA.
 SOURCE: PLANT MOLECULAR BIOLOGY, (1999 Oct) 41 (3) 363-70.
 Journal code: 9106343. ISSN: 0167-4412.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200001
 ENTRY DATE: Entered STN: 20000124
 Last Updated on STN: 20000124
 Entered Medline: 20000111

L9 ANSWER 71 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 1999111235 MEDLINE
 DOCUMENT NUMBER: 99111235 PubMed ID: 9889150
 TITLE: Aminoglycoside antibiotic phosphotransferases are also serine protein kinases.
 AUTHOR: Daigle D M; McKay G A; Thompson P R; Wright G D
 CORPORATE SOURCE: Department of Biochemistry, McMaster University, Hamilton, Ontario, Canada.
 SOURCE: CHEMISTRY AND BIOLOGY, (1999 Jan) 6 (1) 11-8.
 Journal code: 9500160. ISSN: 1074-5521.
 PUB. COUNTRY: ENGLAND: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199903
 ENTRY DATE: Entered STN: 19990316
 Last Updated on STN: 19990316
 Entered Medline: 19990301

L9 ANSWER 72 OF 120 MEDLINE on STN DUPLICATE 31
 ACCESSION NUMBER: 1999192209 MEDLINE
 DOCUMENT NUMBER: 99192209 PubMed ID: 10094386
 TITLE: CK2, a protein kinase of the next millennium.
 AUTHOR: Dobrowolska G; Lozeman F J; Li D; Krebs E G
 CORPORATE SOURCE: Department of Pharmacology, University of Washington,

CONTRACT NUMBER: Seattle 98195, USA.
 SOURCE: DK42528 (NIDDK)
 MOLECULAR AND CELLULAR BIOCHEMISTRY, (1999 Jan) 191 (1-2)
 3-12.
 Journal code: 0364456. ISSN: 0300-8177.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199904
 ENTRY DATE: Entered STN: 19990511
 Last Updated on STN: 20020420
 Entered Medline: 19990429

L9 ANSWER 73 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1998:352876 HCAPLUS
 DOCUMENT NUMBER: 129:50514
 TITLE: Mammalian receptor tyrosine kinase genes
 INVENTOR(S): Joho, Keith E.; Plowman, Gregory D.
 PATENT ASSIGNEE(S): Sugan, Inc., USA
 SOURCE: PCT Int. Appl., 87 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9822507	A2	19980528	WO 1997-US22526	19971121
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9873009	A1	19980610	AU 1998-73009	19971121
EP 942934	A2	19990922	EP 1997-949790	19971121
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6136581	A	20001024	US 1997-976255	19971121
JP 2001504349	T2	20010403	JP 1998-524021	19971121
PRIORITY APPLN. INFO.:			US 1996-31675P	P 19961122
			WO 1997-US22526	W 19971121

L9 ANSWER 74 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN
 ACCESSION NUMBER: 1999134375 EMBASE
 TITLE: Characterization of the hemin-sensitive **eukaryotic**
 initiation factor 2.alpha. **kinase** from mouse
 nonerythroid cells.
 AUTHOR: Berlanga J.J.; Herrero S.; De Haro C.
 CORPORATE SOURCE: C. De Haro, Ctro. de Biol. Molec. 'Severo Ochoa', Consejo
 Superior de Investig. Cien., Universidad Autonoma de
 Madrid, Canto Blanco, 28049 Madrid, Spain.
 cdeharo@cbm.uam.es
 SOURCE: Journal of Biological Chemistry, (27 Nov 1999) 273/48
 (32340-32346).
 Refs: 31
 ISSN: 0021-9258 CODEN: JBCHA3
 COUNTRY: United States
 DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L9 ANSWER 75 OF 120 MEDLINE on STN DUPLICATE 32
ACCESSION NUMBER: 1998208510 MEDLINE
DOCUMENT NUMBER: 98208510 PubMed ID: 9539707
TITLE: Disruption of cellular translational control by a viral truncated **eukaryotic** translation initiation factor 2alpha **kinase** homolog.
AUTHOR: Dever T E; Sripriya R; McLachlin J R; Lu J; Fabian J R; Kimball S R; Miller L K
CORPORATE SOURCE: Laboratory of Eukaryotic Gene Regulation, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD 20892-2716, USA.. tdever@box-t.nih.gov
CONTRACT NUMBER: AI23719 (NIAID)
DK13499 (NIDDK)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1998 Apr 14) 95 (8) 4164-9. Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199805
ENTRY DATE: Entered STN: 19980520
Last Updated on STN: 20000303
Entered Medline: 19980513

L9 ANSWER 76 OF 120 MEDLINE on STN
ACCESSION NUMBER: 1998187648 MEDLINE
DOCUMENT NUMBER: 98187648 PubMed ID: 9528799
TITLE: Autophosphorylation in the activation loop is required for full kinase activity in vivo of **human** and yeast **eukaryotic** initiation factor 2alpha **kinases** PKR and GCN2.
AUTHOR: Romano P R; Garcia-Barrio M T; Zhang X; Wang Q; Taylor D R; Zhang F; Herring C; Mathews M B; Qin J; Hinnebusch A G
CORPORATE SOURCE: Laboratory of Eukaryotic Gene Regulation, National Institute of Child Health and Human Development, Bethesda, Maryland 20892, USA.
CONTRACT NUMBER: AI 34552 (NIAID)
SOURCE: MOLECULAR AND CELLULAR BIOLOGY, (1998 Apr) 18 (4) 2282-97. Journal code: 8109087. ISSN: 0270-7306.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199805
ENTRY DATE: Entered STN: 19980529
Last Updated on STN: 20030204
Entered Medline: 19980521

L9 ANSWER 77 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
ACCESSION NUMBER: 1998:855791 SCISEARCH
THE GENUINE ARTICLE: 135PC
TITLE: Casein kinase I: Spatial organization and positioning of a multifunctional protein kinase family
AUTHOR: Gross S D; Anderson R A (Reprint)
CORPORATE SOURCE: UNIV WISCONSIN, SCH MED, DEPT PHARMACOL, 1300 UNIV AVE, MADISON, WI 53706 (Reprint); UNIV WISCONSIN, SCH MED, DEPT PHARMACOL, MADISON, WI 53706; UNIV COLORADO, HLTH SCI CTR, HOWARD HUGHES MED INST, DEPT PHARMACOL, DENVER, CO 80262

COUNTRY OF AUTHOR: USA
SOURCE: CELLULAR SIGNALLING, (NOV 1998) Vol. 10, No. 10, pp. 699-711.
Publisher: ELSEVIER SCIENCE INC, 655 AVENUE OF THE AMERICAS, NEW YORK, NY 10010.
ISSN: 0898-6568.

DOCUMENT TYPE: General Review; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 93

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 78 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 1998:929872 SCISEARCH

THE GENUINE ARTICLE: 144DA

TITLE: Chromosomal mapping of three human LAMMER protein-kinase-encoding genes

AUTHOR: Talmadge C B; Finkernagel S; Sumegi J; Sciorra L; Rabinow L (Reprint)

CORPORATE SOURCE: UNIV NEBRASKA, MED CTR, DEPT BIOCHEM & MOL BIOL, 600 S 42ND ST, OMAHA, NE 68198 (Reprint); UNIV NEBRASKA, MED CTR, DEPT BIOCHEM & MOL BIOL, OMAHA, NE 68198; UNIV NEBRASKA, MED CTR, DEPT PATHOL & MICROBIOL, OMAHA, NE 68198; UNIV MED & DENT NEW JERSEY, ROBERT WOOD JOHNSON MED SCH, DEPT OBSTET & GYNECOL, NEW BRUNSWICK, NJ 08903

COUNTRY OF AUTHOR: USA

SOURCE: HUMAN GENETICS, (OCT 1998) Vol. 103, No. 4, pp. 523-524.
Publisher: SPRINGER VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010.
ISSN: 0340-6717.

DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 16

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 79 OF 120 MEDLINE on STN DUPLICATE 33

ACCESSION NUMBER: 1998389628 MEDLINE

DOCUMENT NUMBER: 98389628 PubMed ID: 9721213

TITLE: Identification and characterization of a novel serine-threonine kinase gene from the Xp22 region.

AUTHOR: Montini E; Andolfi G; Caruso A; Buchner G; Walpole S M; Mariani M; Consalez G; Trump D; Ballabio A; Franco B

CORPORATE SOURCE: Telethon Institute of Genetics and Medicine (TIGEM), San Raffaele Biomedical Science Park, Milan, Italy.

SOURCE: GENOMICS, (1998 Aug 1) 51 (3) 427-33.
Journal code: 8800135. ISSN: 0888-7543.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-Y15057

ENTRY MONTH: 199810

ENTRY DATE: Entered STN: 19981020

Last Updated on STN: 20020420

Entered Medline: 19981005

L9 ANSWER 80 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 1998:656009 SCISEARCH

THE GENUINE ARTICLE: 113DJ

TITLE: Conserved organization of genes in trypanosomatids

AUTHOR: Bringaud F (Reprint); Vedrenne C; Cuvillier A; Parzy D; Baltz D; Tetaud E; Pays E; Venegas J; Merlin G; Baltz T

CORPORATE SOURCE: UNIV BORDEAUX 2, MOL PARASITOL LAB, CNRS, UPRESA 5016, 146

RUE LEO SAIGNAT, F-33076 BORDEAUX, FRANCE (Reprint);
 IMTSSA, PARASITOL LAB, F-13007 MARSEILLE, FRANCE; FREE
 UNIV BRUSSELS, DEPT BIOL MOL, B-1640 RHODE ST GENESE,
 BELGIUM
 COUNTRY OF AUTHOR: FRANCE; BELGIUM
 SOURCE: MOLECULAR AND BIOCHEMICAL PARASITOLOGY, (1 AUG 1998) Vol.
 94, No. 2, pp. 249-264.
 Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE
 AMSTERDAM, NETHERLANDS.
 ISSN: 0166-6851.

DOCUMENT TYPE: Article; Journal
 FILE SEGMENT: LIFE
 LANGUAGE: English
 REFERENCE COUNT: 73

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 81 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1997:693602 HCAPLUS
 DOCUMENT NUMBER: 127:342651
 TITLE: An affinity-based **expression cloning**
 method for identifying **eukaryotic** tyrosine
kinases and novel target proteins
 INVENTOR(S): Schlessinger, Joseph; Skolnik, Edward Y.; Margolis,
 Benjamin L.
 PATENT ASSIGNEE(S): New York University, USA
 SOURCE: U.S., 132 pp., Cont.-in-part of U.S. 5,434,064.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5677421	A	19971014	US 1994-208887	19940311
JP 2003199566	A2	20030715	JP 2003-6802	19920117
US 5434064	A	19950718	US 1992-906349	19920630
US 5618691	A	19970408	US 1993-167035	19931216
CA 2184988	AA	19950914	CA 1995-2184988	19950313
WO 9524426	A1	19950914	WO 1995-US3385	19950313
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KE, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TT, UA, UZ, VN RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9521022	A1	19950925	AU 1995-21022	19950313
EP 753010	A1	19970115	EP 1995-913755	19950313
R: CH, DE, FR, GB, LI				
US 5858686	A	19990112	US 1995-539005	19951004
US 6391584	B1	20020521	US 1999-280598	19990329
PRIORITY APPLN. INFO.:				
			US 1991-643237	B2 19910118
			US 1992-906349	A2 19920630
			US 1993-167035	A2 19931216
			JP 1992-511535	A3 19920117
			US 1994-208887	A 19940311
			US 1994-252820	A3 19940602
			WO 1995-US3385	W 19950313

L9 ANSWER 82 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN

ACCESSION NUMBER: 97298764 EMBASE
 DOCUMENT NUMBER: 1997298764
 TITLE: Inhibition of aminoglycoside antibiotic resistance enzymes

by protein kinase inhibitors.
 AUTHOR: Daigle D.M.; McKay G.A.; Wright G.D.
 CORPORATE SOURCE: G.D. Wright, Dept. of Biochemistry, McMaster University,
 1200 Main St. W., Hamilton, Ont. L8N 3Z5, Canada.
 wrightge@fhs.csu.mcmaster.ca
 SOURCE: Journal of Biological Chemistry, (1997) 272/40
 (24755-24758).
 Refs: 23
 ISSN: 0021-9258 CODEN: JBCHA3
 COUNTRY: United States
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 029 Clinical Biochemistry
 030 Pharmacology
 037 Drug Literature Index
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L9 ANSWER 83 OF 120 MEDLINE on STN DUPLICATE 34

ACCESSION NUMBER: 97289688 MEDLINE
 DOCUMENT NUMBER: 97289688 PubMed ID: 9144159
 TITLE: Identification of a new class of protein kinases
 represented by **eukaryotic** elongation factor-2
kinase.

AUTHOR: Ryazanov A G; Ward M D; Mendola C E; Pavur K S; Dorovkov M
 V; Wiedmann M; Erdjument-Bromage H; Tempst P; Parmer T G;
 Prostko C R; Germino F J; Hait W N
 CORPORATE SOURCE: Department of Pharmacology, Robert Wood Johnson Medical
 School, University of Medicine and Dentistry of New Jersey,
 Piscataway, NJ 08854, USA.. ryazanag@umdnj.edu
 CONTRACT NUMBER: 5 P30 CA08748 (NCI)
 CA 48883 (NCI)

SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE
 UNITED STATES OF AMERICA, (1997 May 13) 94 (10) 4884-9.
 Journal code: 7505876. ISSN: 0027-8424.

PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-U93846; GENBANK-U93847; GENBANK-U93848;
 GENBANK-U93849; GENBANK-U93850
 ENTRY MONTH: 199706
 ENTRY DATE: Entered STN: 19970612
 Last Updated on STN: 19990129
 Entered Medline: 19970605

L9 ANSWER 84 OF 120 MEDLINE on STN DUPLICATE 35

ACCESSION NUMBER: 1998041915 MEDLINE
 DOCUMENT NUMBER: 98041915 PubMed ID: 9371731
 TITLE: Molecular **cloning**, characterization and
 localization of PfPK4, an eIF-2alpha kinase-related enzyme
 from the malarial parasite Plasmodium falciparum.
 AUTHOR: Mohrle J J; Zhao Y; Wernli B; Franklin R M; Kappes B
 CORPORATE SOURCE: Department of Structural Biology, Biozentrum, University of
 Basel, Klingelbergstrasse 70, CH-4056 Basel, Switzerland.
 SOURCE: BIOCHEMICAL JOURNAL, (1997 Dec 1) 328 (Pt 2) 677-87.
 Journal code: 2984726R. ISSN: 0264-6021.

PUB. COUNTRY: ENGLAND: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-X94118
 ENTRY MONTH: 199801
 ENTRY DATE: Entered STN: 19980130
 Last Updated on STN: 19980130

Entered Medline: 19980122

L9 ANSWER 85 OF 120 MEDLINE on STN DUPLICATE 36
ACCESSION NUMBER: 97238628 MEDLINE
DOCUMENT NUMBER: 97238628 PubMed ID: 9115642
TITLE: cDNA sequence and **expression** of a gene encoding a
pyruvate dehydrogenase kinase homolog of Drosophila
melanogaster.
AUTHOR: Katsube T; Nomoto S; Togashi S; Ueda R; Kobayashi M;
Takahisa M
CORPORATE SOURCE: Mitsubishi Kasei Institute of Life Sciences, Tokyo, Japan.
SOURCE: DNA AND CELL BIOLOGY, (1997 Mar) 16 (3) 335-9.
Journal code: 9004522. ISSN: 1044-5498.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-D88814
ENTRY MONTH: 199704
ENTRY DATE: Entered STN: 19970506
Last Updated on STN: 19990129
Entered Medline: 19970422

L9 ANSWER 86 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN DUPLICATE 37
ACCESSION NUMBER: 97307846 EMBASE
DOCUMENT NUMBER: 1997307846
TITLE: Heme-regulated **eukaryotic** initiation factor
2.alpha. **kinase** - A molecular indicator of
haemolytic anemia.
AUTHOR: An S.; Pal J.K.
CORPORATE SOURCE: J.K. Pal, Dept. of Biotechnol./Zoology, University of Pune,
Pune 411007, India. jkpal@unipune.ernet.in
SOURCE: Journal of Biosciences, (1997) 22/3 (287-298).
Refs: 41
ISSN: 0250-5991 CODEN: JOBSDN
COUNTRY: India
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 025 Hematology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L9 ANSWER 87 OF 120 MEDLINE on STN
ACCESSION NUMBER: 1998094281 MEDLINE
DOCUMENT NUMBER: 98094281 PubMed ID: 9434192
TITLE: Characterization of a bacterial gene encoding an
autophosphorylating protein tyrosine kinase.
AUTHOR: Grangeasse C; Doublet P; Vaganay E; Vincent C; Deleage G;
Duclos B; Cozzone A J
CORPORATE SOURCE: Institut de Biologie et Chimie des Proteines, Centre
National de la Recherche Scientifique, Lyon, France.
SOURCE: GENE, (1997 Dec 19) 204 (1-2) 259-65.
Journal code: 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-Y15162
ENTRY MONTH: 199802
ENTRY DATE: Entered STN: 19980224
Last Updated on STN: 19980224
Entered Medline: 19980212

L9 ANSWER 88 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 1998002930 MEDLINE
 DOCUMENT NUMBER: 98002930 PubMed ID: 9344245
 TITLE: Mitochondrial alpha-ketoacid dehydrogenase kinases: a new family of protein kinases.
 AUTHOR: Popov K M; Hawes J W; Harris R A
 CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis 46202-5122, USA.
 CONTRACT NUMBER: DK 19259 (NIDDK)
 DK 47844 (NIDDK)
 GM 51262 (NIGMS)
 SOURCE: ADVANCES IN SECOND MESSENGER AND PHOSPHOPROTEIN RESEARCH, (1997) 31 105-11. Ref: 16
 Journal code: 8807408. ISSN: 1040-7952.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199712
 ENTRY DATE: Entered STN: 19980109
 Last Updated on STN: 19980109
 Entered Medline: 19971223

L9 ANSWER 89 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 1998040126 MEDLINE
 DOCUMENT NUMBER: 98040126 PubMed ID: 9372844
 TITLE: Interaction between DNA-dependent protein kinase and a novel protein, KIP.
 AUTHOR: Wu X; Lieber M R
 CORPORATE SOURCE: Department of Pathology, Washington University School of Medicine, St. Louis, MO 63110, USA.
 SOURCE: MUTATION RESEARCH, (1997 Oct) 385 (1) 13-20.
 Journal code: 0400763. ISSN: 0027-5107.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199712
 ENTRY DATE: Entered STN: 19980109
 Last Updated on STN: 20030218
 Entered Medline: 19971212

L9 ANSWER 90 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 96278727 MEDLINE
 DOCUMENT NUMBER: 96278727 PubMed ID: 8662715
 TITLE: **Expression** of vaccinia virus K3L protein in yeast inhibits **eukaryotic** initiation factor-2 **kinase** GCN2 and the general amino acid control pathway.
 AUTHOR: Qian W; Zhu S; Sobolev A Y; Wek R C
 CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis, Indiana 46202-5122, USA.
 CONTRACT NUMBER: GM49164 (NIGMS)
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 May 31) 271 (22) 13202-7.
 Journal code: 2985121R. ISSN: 0021-9258.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals

ENTRY MONTH: 199608
ENTRY DATE: Entered STN: 19960822
Last Updated on STN: 19960822
Entered Medline: 19960815

L9 ANSWER 91 OF 120 MEDLINE on STN
ACCESSION NUMBER: 96386639 MEDLINE
DOCUMENT NUMBER: 96386639 PubMed ID: 8794389
TITLE: The varicella-zoster virus ORF66 protein induces kinase activity and is dispensable for viral replication.
AUTHOR: Heineman T C; Seidel K; Cohen J I
CORPORATE SOURCE: Laboratory of Clinical Investigation, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland 20892, USA.
SOURCE: JOURNAL OF VIROLOGY, (1996 Oct) 70 (10) 7312-7.
Journal code: 0113724. ISSN: 0022-538X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199611
ENTRY DATE: Entered STN: 19961219
Last Updated on STN: 19961219
Entered Medline: 19961122

L9 ANSWER 92 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1996:130042 BIOSIS
DOCUMENT NUMBER: PREV199698702177
TITLE: **Cloning** and characterisation of genes (pkc1 and pkcA) encoding protein kinase C homologues from *Trichoderma reesei* and *Aspergillus niger*.
AUTHOR(S): Morawetz, Renate; Lendenfeld, Thomas; Mischak, Harald; Muehlbauer, Manuela; Gruber, Franz; Goodnight, Joanne; De Graaff, Leo H.; Visser, Jaap; Mushinski, J. Frederick; Kubicek, Christian P. [Reprint author]
CORPORATE SOURCE: Abteilung Mikrobielle Biochem., Inst. Biochem. Technol. Mikrobiol., TU Wien, Getreidemarkt 9/1725, A-1060 Wien, Austria
SOURCE: Molecular and General Genetics, (1996) Vol. 250, No. 1, pp. 17-28.
CODEN: MGGEAE. ISSN: 0026-8925.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Mar 1996
Last Updated on STN: 27 Mar 1996

L9 ANSWER 93 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1995:994902 HCAPLUS
DOCUMENT NUMBER: 124:23326
TITLE: An affinity-based **expression cloning** method for identifying **eukaryotic** tyrosine **kinases** and novel target proteins
INVENTOR(S): Schlessinger, Joseph; Skolnik, Edward Y.; Margolis, Benjamin L.
PATENT ASSIGNEE(S): New York Univ., USA
SOURCE: PCT Int. Appl., 221 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9524426 A1 19950914 WO 1995-US3385 19950313
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KE, KG,
KR, KZ, LK, LR, LT, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RO, RU,
SD, SG, SI, SK, TJ, TT, UA, UZ, VN
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,
LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,
SN, TD, TG
US 5677421 A 19971014 US 1994-208887 19940311
AU 9521022 A1 19950925 AU 1995-21022 19950313
EP 753010 A1 19970115 EP 1995-913755 19950313
R: CH, DE, FR, GB, LI
PRIORITY APPLN. INFO.: US 1994-208887 A 19940311
US 1991-643237 B2 19910118
US 1992-906349 A2 19920630
US 1993-167035 A2 19931216
WO 1995-US3385 W 19950313

L9 ANSWER 94 OF 120 MEDLINE on STN
ACCESSION NUMBER: 95333279 MEDLINE
DOCUMENT NUMBER: 95333279 PubMed ID: 7609068
TITLE: Characterization of the novel protein kinase activity
present in the R1 subunit of herpes simplex virus
ribonucleotide reductase.
AUTHOR: Cooper J; Conner J; Clements J B
CORPORATE SOURCE: MRC Virology Unit, Institute of Virology, Glasgow, United
Kingdom.
SOURCE: JOURNAL OF VIROLOGY, (1995 Aug) 69 (8) 4979-85.
Journal code: 0113724. ISSN: 0022-538X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199508
ENTRY DATE: Entered STN: 19950828
Last Updated on STN: 20020420
Entered Medline: 19950811

L9 ANSWER 95 OF 120 MEDLINE on STN DUPLICATE 38
ACCESSION NUMBER: 96137186 MEDLINE
DOCUMENT NUMBER: 96137186 PubMed ID: 8555962
TITLE: Analysis of the protein kinase activity of moss phytochrome
expressed in fibroblast cell culture.
AUTHOR: Thummler F; Herbst R; Algarra P; Ullrich A
CORPORATE SOURCE: Botanisches Institut der Universitat Munchen, Germany.
SOURCE: PLANTA, (1995) 197 (4) 592-6.
Journal code: 1250576. ISSN: 0032-0935.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Biotechnology
ENTRY MONTH: 199602
ENTRY DATE: Entered STN: 19960312
Last Updated on STN: 19960312
Entered Medline: 19960228

L9 ANSWER 96 OF 120 MEDLINE on STN
ACCESSION NUMBER: 95203584 MEDLINE
DOCUMENT NUMBER: 95203584 PubMed ID: 7896000
TITLE: Protein kinases. 4. Protein kinase CK2: an enzyme with
multiple substrates and a puzzling regulation.
AUTHOR: Allende J E; Allende C C
CORPORATE SOURCE: Departamento de Bioquimica, Facultad de Medicina,
Universidad de Chile, Santiago.
SOURCE: FASEB JOURNAL, (1995 Mar) 9 (5) 313-23. Ref: 86

Journal code: 8804484. ISSN: 0892-6638.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199504
ENTRY DATE: Entered STN: 19950504
Last Updated on STN: 20020420
Entered Medline: 19950427

L9 ANSWER 97 OF 120 MEDLINE on STN
ACCESSION NUMBER: 95189113 MEDLINE
DOCUMENT NUMBER: 95189113 PubMed ID: 7883195
TITLE: **Cloning**, sequencing and **expression** of
serine/threonine kinase-encoding genes from *Streptomyces*
coelicolor A3(2).
AUTHOR: Urabe H; Ogawara H
CORPORATE SOURCE: Department of Biochemistry, Meiji College of Pharmacy,
Tokyo, Japan.
SOURCE: GENE, (1995 Feb 3) 153 (1) 99-104.
Journal code: 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-D26539; GENBANK-L07597; GENBANK-M17073;
GENBANK-X58995; PIR-A46302; PIR-B35363; PIR-S22373
ENTRY MONTH: 199504
ENTRY DATE: Entered STN: 19950425
Last Updated on STN: 20020420
Entered Medline: 19950407

L9 ANSWER 98 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1994:695972 HCAPLUS
DOCUMENT NUMBER: 121:295972
TITLE: Molecular **cloning** and use of cDNA for
HRR25-like **eukaryotic** protein
kinases
INVENTOR(S): Hoekstra, Merl F.
PATENT ASSIGNEE(S): Salk Institute for Biological Studies, USA
SOURCE: PCT Int. Appl., 120 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9417189	A2	19940804	WO 1994-US795	19940121
WO 9417189	A3	19941013		
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2132452	AA	19940804	CA 1994-2132452	19940121
CA 2132452	C	20031021		
EP 632832	A1	19950111	EP 1994-915331	19940121
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07505057	T2	19950608	JP 1994-517227	19940121
PRIORITY APPLN. INFO.:			US 1993-8001	A 19930121
			WO 1994-US795	W 19940121

L9 ANSWER 99 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1994:317358 HCAPLUS
 DOCUMENT NUMBER: 120:317358
 TITLE: A cDNA encoding the heme-regulated **eukaryotic**
 initiation factor 2.alpha. **kinase** of rabbit
 INVENTOR(S): Chen, Jane; London, Irving M.
 PATENT ASSIGNEE(S): Massachusetts Institute of Technology, USA
 SOURCE: PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9405794	A1	19940317	WO 1993-US8131	19930827
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5525513	A	19960611	US 1992-938782	19920831
EP 658204	A1	19950621	EP 1993-921241	19930827
EP 658204	B1	20020605		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 218618	E	20020615	AT 1993-921241	19930827
PRIORITY APPLN. INFO.:			US 1992-938782	A 19920831
			JP 1992-81664	A 19920302
			WO 1993-US8131	W 19930827

L9 ANSWER 100 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1994:262679 HCAPLUS
 DOCUMENT NUMBER: 120:262679
 TITLE: Identification and characterization of a protein
 kinase gene in the Lymantria dispar multinucleocapsid
 nuclear polyhedrosis virus
 AUTHOR(S): Bischoff, David S.; Slavicek, James M.
 CORPORATE SOURCE: For. Sci. Lab., For. Serv., Delaware, OH, 43015, USA
 SOURCE: Journal of Virology (1994), 68(3), 1728-36
 CODEN: JOVIAM; ISSN: 0022-538X
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L9 ANSWER 101 OF 120 MEDLINE on STN DUPLICATE 39
 ACCESSION NUMBER: 94343041 MEDLINE
 DOCUMENT NUMBER: 94343041 PubMed ID: 8064409
 TITLE: Regulation of branched-chain amino acid catabolism.
 AUTHOR: Harris R A; Popov K M; Zhao Y; Shimomura Y
 CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, Indiana
 University School of Medicine, Indianapolis 46202-5122.
 CONTRACT NUMBER: AM 20542 (NIADDK)
 DK 19259 (NIDDK)
 SOURCE: JOURNAL OF NUTRITION, (1994 Aug) 124 (8 Suppl) 1499S-1502S.
 Ref: 32
 Journal code: 0404243. ISSN: 0022-3166.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199409
 ENTRY DATE: Entered STN: 19941005
 Last Updated on STN: 19941005
 Entered Medline: 19940916

L9 ANSWER 102 OF 120 MEDLINE on STN DUPLICATE 40

ACCESSION NUMBER: 95035100 MEDLINE
 DOCUMENT NUMBER: 95035100 PubMed ID: 7948027
 TITLE: **Cloning** and characterization of a cDNA encoding rat PKR, the double-stranded RNA-dependent **eukaryotic** initiation factor-2 **kinase**.
 AUTHOR: Mellor H; Flowers K M; Kimball S R; Jefferson L S
 CORPORATE SOURCE: Department of Cellular and Molecular Physiology, College of Medicine, Pennsylvania State University, Hershey 17033.
 CONTRACT NUMBER: DK07684 (NIDDK)
 DK13499 (NIDDK)
 DK15658 (NIDDK)
 SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, (1994 Nov 22) 1219 (3) 693-6.
 Journal code: 0217513. ISSN: 0006-3002.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-L29281
 ENTRY MONTH: 199412
 ENTRY DATE: Entered STN: 19950110
 Last Updated on STN: 19980206
 Entered Medline: 19941229

L9 ANSWER 103 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 94:767760 SCISEARCH
 THE GENUINE ARTICLE: PU802
 TITLE: **CLONING** AND CHARACTERIZATION OF A CDNA-ENCODING RAT PKR, THE DOUBLE-STRANDED RNA-DEPENDENT **EUKARYOTIC** INITIATION FACTOR-II **KINASE**
 AUTHOR: MELLOR H; FLOWERS K M; KIMBALL S R; JEFFERSON L S (Reprint)
 CORPORATE SOURCE: PENN STATE UNIV, COLL MED, DEPT CELLULAR & MOLEC PHYSIOL, POB 850, HERSHEY, PA, 17033 (Reprint); PENN STATE UNIV, COLL MED, DEPT CELLULAR & MOLEC PHYSIOL, HERSHEY, PA, 17033
 COUNTRY OF AUTHOR: USA
 SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA-GENE STRUCTURE AND EXPRESSION, (22 NOV 1994) Vol. 1219, No. 3, pp. 693-696. ISSN: 0167-4781.
 DOCUMENT TYPE: Note; Journal
 FILE SEGMENT: LIFE
 LANGUAGE: ENGLISH
 REFERENCE COUNT: 15
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 104 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 41
 ACCESSION NUMBER: 94211930 EMBASE
 DOCUMENT NUMBER: 1994211930
 TITLE: Protein kinase superfamily - Comparisons of sequence data with three-dimensional structures.
 AUTHOR: Wei L.; Hubbard S.R.; Smith R.F.; Ellis L.
 CORPORATE SOURCE: Center for Genome Informatics, Inst of Biosciences and Technology, Texas A and M University, 2121 Holcombe, Houston, TX 77030, United States
 SOURCE: Current Opinion in Structural Biology, (1994) 4/3 (450-455).
 ISSN: 0959-440X CODEN: COSBEF
 COUNTRY: United Kingdom
 DOCUMENT TYPE: Journal; (Short Survey)
 FILE SEGMENT: 029 Clinical Biochemistry
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L9 ANSWER 105 OF 120 MEDLINE on STN
 ACCESSION NUMBER: 94089727 MEDLINE
 DOCUMENT NUMBER: 94089727 PubMed ID: 7505448
 TITLE: A gene encoding a protein related to **eukaryotic** protein **kinases** from the filamentous heterocystous cyanobacterium *Anabaena* PCC 7120.
 AUTHOR: Zhang C C
 CORPORATE SOURCE: Ecole Superieure de Biotechnologie de Strasbourg, Universite Louis Pasteur de Strasbourg, France.
 SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1993 Dec 15) 90 (24) 11840-4. Journal code: 7505876. ISSN: 0027-8424.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-U00484
 ENTRY MONTH: 199401
 ENTRY DATE: Entered STN: 19940209
 Last Updated on STN: 19960129
 Entered Medline: 19940121

L9 ANSWER 106 OF 120 MEDLINE on STN DUPLICATE 42
 ACCESSION NUMBER: 94358007 MEDLINE
 DOCUMENT NUMBER: 94358007 PubMed ID: 8077302
 TITLE: Invasive **human** pituitary tumors **express** a point-mutated alpha-protein kinase-C.
 AUTHOR: Alvaro V; Levy L; Dubray C; Roche A; Peillon F; Querat B; Joubert D
 CORPORATE SOURCE: Centre CNRS-INSERM de Pharmacologie et d'Endocrinologie, Montpellier, France.
 SOURCE: JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM, (1993 Nov) 77 (5) 1125-9. Journal code: 0375362. ISSN: 0021-972X.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
 ENTRY MONTH: 199410
 ENTRY DATE: Entered STN: 19941013
 Last Updated on STN: 19941013
 Entered Medline: 19941006

L9 ANSWER 107 OF 120 MEDLINE on STN DUPLICATE 43
 ACCESSION NUMBER: 93249388 MEDLINE
 DOCUMENT NUMBER: 93249388 PubMed ID: 8387275
 TITLE: Activation of purified **human** protein kinase C alpha and beta I isoenzymes in vitro by Ca²⁺, phosphatidylinositol and phosphatidylinositol 4,5-bisphosphate.
 AUTHOR: Kochs G; Hummel R; Fiebich B; Sarre T F; Marme D; Hug H
 CORPORATE SOURCE: University of Freiburg, Institute of Molecular Cell Biology, Germany.
 SOURCE: BIOCHEMICAL JOURNAL, (1993 Apr 15) 291 (Pt 2) 627-33. Journal code: 2984726R. ISSN: 0264-6021.
 PUB. COUNTRY: ENGLAND: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199306
 ENTRY DATE: Entered STN: 19930618
 Last Updated on STN: 19970203
 Entered Medline: 19930601

L9 ANSWER 108 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1993:186643 HCAPLUS
 DOCUMENT NUMBER: 118:186643
 TITLE: Activation of purified **human** protein kinase
 C .alpha. and .beta.I isoenzymes in vitro by calcium,
 phosphatidylinositol and phosphatidylinositol
 4,5-bisphosphate
 AUTHOR(S): Kochs, Georg; Hummel, Richard; Fiebich, Bernd; Sarre,
 Thomas F.; Marme, Dieter; Hug, Hubert
 CORPORATE SOURCE: Inst. Mol. Cell Biol., Univ. Freiburg, Freiburg, 7800,
 Germany
 SOURCE: Biochemical Journal (1993), 291(2), 627-33
 CODEN: BIJOAK; ISSN: 0306-3275
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L9 ANSWER 109 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1993:141041 HCAPLUS
 DOCUMENT NUMBER: 118:141041
 TITLE: Chromosomal localization and nucleoside diphosphate
 kinase activity of **human**
 metastasis-suppressor genes NM23-1 and NM23-2
 AUTHOR(S): Backer, Joseph M.; Mendola, Charmaine E.; Koveski,
 Imre; Fairhurst, Jeanette L.; O'Hara, Bryan; Eddy,
 Roger L., Jr.; Shows, Thomas B.; Mathew, Susan; Murty,
 V. V. V. S.; Chaganti, R. S. K.
 CORPORATE SOURCE: Lederle Lab., American Cyanamid Co., Pearl River, NY,
 10965, USA
 SOURCE: Oncogene (1993), 8(2), 497-502
 CODEN: ONCNES; ISSN: 0950-9232
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L9 ANSWER 110 OF 120 MEDLINE on STN DUPLICATE 44
 ACCESSION NUMBER: 93173121 MEDLINE
 DOCUMENT NUMBER: 93173121 PubMed ID: 8437586
 TITLE: Mutational analysis of the fission yeast p34cdc2 protein
 kinase gene.
 AUTHOR: MacNeill S A; Nurse P
 CORPORATE SOURCE: Microbiology Unit, University of Oxford, UK.
 SOURCE: MOLECULAR AND GENERAL GENETICS, (1993 Jan) 236 (2-3)
 415-26.
 Journal code: 0125036. ISSN: 0026-8925.
 PUB. COUNTRY: GERMANY: Germany, Federal Republic of
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199303
 ENTRY DATE: Entered STN: 19930402
 Last Updated on STN: 20000303
 Entered Medline: 19930324

L9 ANSWER 111 OF 120 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN DUPLICATE 45
 ACCESSION NUMBER: 93081909 EMBASE
 DOCUMENT NUMBER: 1993081909
 TITLE: Rhodopsin phosphorylation by transiently **expressed**
human .beta.ARK1: A new method for drug
 development.
 AUTHOR: Parruti G.; Lombardi M.S.; Chuang T.T.; De Blasi A.
 CORPORATE SOURCE: Lab of Receptor Physiopathology, Ist Ric Farmacologiche
 'Mario Negri', Consorzio M Negri Sud, 66030 Santa Maria
 Imbaro, Italy

SOURCE: Journal of Receptor Research, (1993) 13/1-4 (95-103).
ISSN: 0197-5110 CODEN: JRERDM
COUNTRY: United States
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 029 Clinical Biochemistry
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L9 ANSWER 112 OF 120 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 46

ACCESSION NUMBER: 1993:94498 BIOSIS
DOCUMENT NUMBER: PREV199395049694
TITLE: Tat-responsive region RNA of human
immunodeficiency virus type 1 stimulates protein synthesis
in vivo and in vitro: Relationship between structure and
function.
AUTHOR(S): Gunnery, Shobha; Green, Simon R.; Mathews, Michael B.
CORPORATE SOURCE: Cold Spring Harbor Lab., P.O. Box 100, Cold Spring Harbor,
N.Y. 11724, USA
SOURCE: Proceedings of the National Academy of Sciences of the
United States of America, (1992) Vol. 89, No. 23, pp.
11557-11561.
CODEN: PNASA6. ISSN: 0027-8424.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 9 Feb 1993
Last Updated on STN: 17 Apr 1993

L9 ANSWER 113 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1992:211069 HCAPLUS
DOCUMENT NUMBER: 116:211069
TITLE: The vaccinia virus K3L gene product potentiates
translation by inhibiting double-stranded-RNA-
activated protein kinase and phosphorylation of the
alpha subunit of eukaryotic initiation factor 2
AUTHOR(S): Davies, Monique V.; Elroy-Stein, Orna; Jagus,
Rosemary; Moss, Bernard; Kaufman, Randal J.
CORPORATE SOURCE: Genet. Inst., Cambridge, MA, 02140-2387, USA
SOURCE: Journal of Virology (1992), 66(4), 1943-50
CODEN: JOVIAM; ISSN: 0022-538X
DOCUMENT TYPE: Journal
LANGUAGE: English

L9 ANSWER 114 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 92:709675 SCISEARCH
THE GENUINE ARTICLE: KB012
TITLE: VIRAL THYMIDINE KINASES AND THEIR RELATIVES
AUTHOR: GENTRY G A (Reprint)
CORPORATE SOURCE: UNIV MISSISSIPPI, MED CTR, DEPT MICROBIOL, JACKSON, MS,
39216 (Reprint)
COUNTRY OF AUTHOR: USA
SOURCE: PHARMACOLOGY & THERAPEUTICS, (1992) Vol. 54, No. 3, pp.
319-355.
ISSN: 0163-7258.
DOCUMENT TYPE: General Review; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 200

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 115 OF 120 MEDLINE on STN DUPLICATE 47
ACCESSION NUMBER: 92331669 MEDLINE
DOCUMENT NUMBER: 92331669 PubMed ID: 1378403

TITLE: Molecular cloning, stage-specific
expression and cellular distribution of a putative
 protein kinase from Plasmodium falciparum.
 AUTHOR: Zhao Y; Kappes B; Yang J; Franklin R M
 CORPORATE SOURCE: Department of Structural Biology, Biocenter of the
 University of Basel, Switzerland.
 SOURCE: EUROPEAN JOURNAL OF BIOCHEMISTRY, (1992 Jul 1) 207 (1)
 305-13.
 Journal code: 0107600. ISSN: 0014-2956.
 PUB. COUNTRY: GERMANY: Germany, Federal Republic of
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-M85175; GENBANK-M85176; GENBANK-M85177;
 GENBANK-S42400; GENBANK-S42403; GENBANK-S42404;
 GENBANK-X63648; GENBANK-X65179; GENBANK-X65180;
 GENBANK-X65181
 ENTRY MONTH: 199208
 ENTRY DATE: Entered STN: 19920904
 Last Updated on STN: 19960129
 Entered Medline: 19920814

L9 ANSWER 116 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1991:601750 HCAPLUS
 DOCUMENT NUMBER: 115:201750
 TITLE: Functional **expression** and characterization
 of the interferon-induced double-stranded RNA
 activated P68 protein kinase from Escherichia coli
 AUTHOR(S): Barber, Glen N.; Tomita, Judy; Hovanessian, Ara G.;
 Meurs, Eliane; Katze, Michael G.
 CORPORATE SOURCE: Sch. Med., Univ. Washington, Seattle, WA, 98195, USA
 SOURCE: Biochemistry (1991), 30(42), 10356-61
 CODEN: BICHAW; ISSN: 0006-2960
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L9 ANSWER 117 OF 120 MEDLINE on STN DUPLICATE 48
 ACCESSION NUMBER: 92039015 MEDLINE
 DOCUMENT NUMBER: 92039015 PubMed ID: 1657712
 TITLE: Nucleoside diphosphate kinase from Escherichia coli; its
 overproduction and sequence comparison with eukaryotic
 enzymes.
 AUTHOR: Hama H; Almaula N; Lerner C G; Inouye S; Inouye M
 CORPORATE SOURCE: Department of Biochemistry, Robert Wood Johnson Medical
 School, University of Medicine and Dentistry of New Jersey,
 Rutgers, Piscataway 08854.
 CONTRACT NUMBER: GM12446 (NIGMS)
 GM19043 (NIGMS)
 GM26843 (NIGMS)
 SOURCE: GENE, (1991 Aug 30) 105 (1) 31-6.
 Journal code: 7706761. ISSN: 0378-1119.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199112
 ENTRY DATE: Entered STN: 19920124
 Last Updated on STN: 19920124
 Entered Medline: 19911203

L9 ANSWER 118 OF 120 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 91:617218 SCISEARCH
 THE GENUINE ARTICLE: GN725
 TITLE: NUCLEOSIDE DIPHOSPHATE KINASE FROM ESCHERICHIA-COLI - ITS

OVERPRODUCTION AND SEQUENCE COMPARISON WITH EUKARYOTIC
ENZYMES

AUTHOR: HAMA H; ALMAULA N; LERNER C G; INOUE S; INOUE M
(Reprint)
CORPORATE SOURCE: RUTGERS STATE UNIV, UNIV MED & DENT NEW JERSEY, ROBERT
WOOD JOHNSON MED SCH, PISCATAWAY, NJ, 08854
COUNTRY OF AUTHOR: USA
SOURCE: GENE, (1991) Vol. 105, No. 1, pp. 31-36.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 31
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 119 OF 120 MEDLINE on STN DUPLICATE 49
ACCESSION NUMBER: 86259663 MEDLINE
DOCUMENT NUMBER: 86259663 PubMed ID: 3460065
TITLE: Defective RNA splicing in the absence of
adenovirus-associated RNAI.
AUTHOR: Svensson C; Akusjarvi G
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE
UNITED STATES OF AMERICA, (1986 Jul) 83 (13) 4690-4.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198608
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19980206
Entered Medline: 19860801

L9 ANSWER 120 OF 120 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1981:617291 HCAPLUS
DOCUMENT NUMBER: 95:217291
TITLE: A new dominant hybrid selective marker for higher
eukaryotic cells
AUTHOR(S): Colbere-Garapin, Florence; Horodniceanu, Florian;
Kourilsky, Philippe; Garapin, Axel-Claude
CORPORATE SOURCE: Unite Virol. Med., Inst. Pasteur, Paris, 75724/15, Fr.
SOURCE: Journal of Molecular Biology (1981), 150(1), 1-14
CODEN: JMOBAK; ISSN: 0022-2836
DOCUMENT TYPE: Journal
LANGUAGE: English

=> e curtis r a/au

E1	634	CURTIS R/AU
E2	1	CURTIS R 3RD/AU
E3	214 -->	CURTIS R A/AU
E4	89	CURTIS R A J/AU
E5	14	CURTIS R B/AU
E6	19	CURTIS R C/AU
E7	4	CURTIS R C H/AU
E8	2	CURTIS R CAROLYN/AU
E9	32	CURTIS R D/AU
E10	251	CURTIS R E/AU
E11	4	CURTIS R EUGENE/AU
E12	127	CURTIS R F/AU

=> s e3

L10 214 "CURTIS R A"/AU

=> d his

(FILE 'HOME' ENTERED AT 09:03:48 ON 11 DEC 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 09:04:13 ON 11 DEC 2003

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L1      0 S "PROTEIN (5W) KINASE?"
L2      1144257 S KINASE?
L3      2086 S EUKARYOTIC (5W) KINASE?
L4      433 S HUMAN AND L3
L5      0 S "EPK-55053"
L6      0 S EPK(A)55053
L7      6272589 S RECOMBINANT OR CLON? OR EXPRESS?
L8      253 S L4 AND L7
L9      120 DUP REM L8 (133 DUPLICATES REMOVED)
          E CURTIS R A/AU
L10     214 S E3
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=> s l9 and l10

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L11      0 L9 AND L10
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=> s l2 and l10

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L12      0 L2 AND L10
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=> d his

(FILE 'HOME' ENTERED AT 09:03:48 ON 11 DEC 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 09:04:13 ON 11 DEC 2003

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L8      253 S L4 AND L7
L9      120 DUP REM L8 (133 DUPLICATES REMOVED)
          E CURTIS R A/AU
L10     214 S E3
L11      0 S L9 AND L10
L12      0 S L2 AND L10
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	Issue Date	Pages	Document ID	Title
1	20030925	520	US 20030180930 A1	Novel human protein kinase, phosphatase, and protease family members and uses thereof
2	20020919	67	US 20020132785 A1	13305 novel protein kinase molecules and uses therefor
3	20020627	65	US 20020081658 A1	18610, a novel human transient receptor and uses thereof
4	20020411	84	US 20020042099 A1	2504, 15977, and 14760, novel protein kinase family members and uses therefor

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3	20020627	65	US 20020081658 A1	18610, a novel human transient receptor and uses thereof
4	20020411	84	US 20020042099 A1	2504, 15977, and 14760, novel protein kinase family members and uses therefor

	L #	Hits	Search Text
1	L1	0	"epk-55505"
2	L2	42778	kinase\$2
3	L3	38246	eukaryotic
4	L4	0	l1 same l3
5	L5	4598	l2 same l3
6	L6	381008	human
7	L7	1160	l5 same l6
8	L8	582955	clon\$3 or express\$3 or recombinant
9	L9	642	l7 same l8
10	L10	5421	curtis.in.
11	L11	1	l9 and l10
12	L12	317	l3 adj5 kinase\$2

	L #	Hits	Search Text
13	L13	4	l10 and l12